Oil, Paint and Drug Reporter

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Volume 154 No. 26 December 27, 1948

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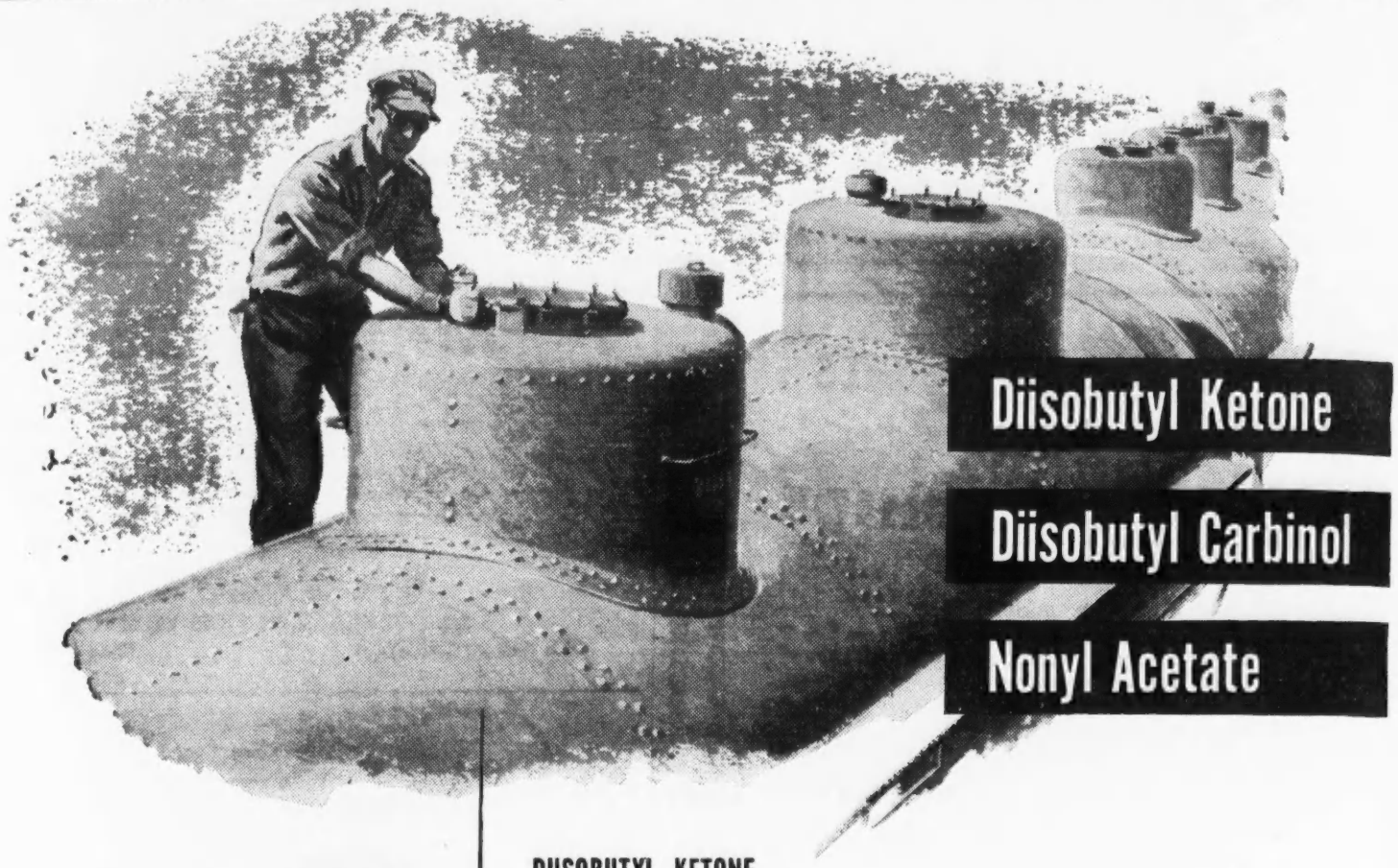

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Oil, Paint and Drug Reporter

Volume 154 No. 26 | New York 7, N. Y. | December 27, 1948

Federal Health Activities Consolidation Advised

Consolidation of all government non-military health activities, including the activities of the Food and Drug Administration, into a national bureau of health to be established under a cabinet department embracing health, education, and security, was recommended December 25 to the Hoover Commission on Organization of the Executive Branch of the government by its task force on Federal medical services.

The bureau of health would be headed by a professional career director general, who would report directly to the secretary of the department. The bureau would be composed of three main divisions:—

1. Medical care, which would include all functions of hospitalization and other direct medical care of patients.
2. Public health division.
3. Research and training devision.

The committee said that the present program is devoid of any central planning. There must be overall planning, and this, in turn, requires first, a clear definition of the extent of the responsibilities, and second, an organization appropriate to carry out the commitment.

The medical care division of the new bureau would have control over all general hospitals of the armed services and most station hospitals, except those at outlying posts; the medical functions of the Veterans Administration, including the

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OPD Reminds Readers Of Press Time Change

OPD wishes to remind its readers that its offices and printing plant will be closed for the entire day of December 31. The OPD issue of January 3 will go to press at 4:30 p.m. on Thursday, December 30. Following the holidays, the normal schedule will be resumed, with press deadline at 4:30 on Friday of each week.

Kordel Case Rehearing Refused by High Court

A rehearing of the Kordel case, in which it was held that literature describing certain health food products manufactured by the defendant was part of the labeling of the product, even though it did not accompany shipment, was denied December 20 by the Supreme Court of the United States.

The court turned down the request for reconsideration on the ground that the petition had not been filed within the time period allotted after the decision of the court on November 22. The decision was one of two rulings handed down that day by the court which greatly strengthened the hand of the Food and Drug Administration in seizure of products for violation of the misbranding provisions of the Food, Drug and Domestic act.

Price Trend Still Downward

Preholiday relaxation abetted the general slackening of industrial activity as an influence on price views in the markets for chemicals, oils, and drugs last week. In consequence, there were four times as many reductions as there were advances among the price changes reported for the week. This put three major divisions—heavy chemicals, fats and oils, and botanical drugs—at lower levels and depressed the overall index number 0.4 point. The closing mark was 6.8 points below the corresponding level in 1947.

An outstanding exception to the predominant downward trend was a substantial boost in the price of quicksilver in Europe. Some advance was expected because domestic production had largely been priced out of activity; but the cartel's move went about ten times as far. There was no reflection in mercurials; but, if the advance in the metal is held, producers of salts say that they will be forced upward early next year.

Arsenic has become overplentiful in several foreign centers and a bit easier situation in transportation is being glimpsed. So, the price has been shaved in local markets, and ability to make prompt shipments is reported. Heavy chemicals as a whole are much easier than they were last Summer. Chlorine and chromium are the main basic exceptions; and nickel sulphate shipments are quite tardy. Sulphur has a boom in ERP trade because Sicilian production has not been restored. Superphosphate has become more plentiful, but agricultural potashes are not yet on the open market, and nitrogenates are tight.

The situation in fats and oils has become softer, especially in the animal division, and prices there were marked down during the week. Vegetable oils got no stronger. Crude petroleum and fuel oils were reduced. Aromatic oils weakened a bit. Spices were quite soft. But, the long view in both divisions held some doubt and some fear of what might eventuate in the Far East. Transportation blocks in the Near East also were being regarded with mixed feelings.

Technical epsom salt will be cheaper after the first of the year. Higher prices on some coaltar dyes have been announced. Carbon blacks will be higher; so will zinc oxides. Lead pigments are still unchanged. Phenolic moulding powders have been cut, but the varnish resins are not affected. Some alkyds are being upped; some are being downed.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 23, 1948	Dec. 17, 1948	Dec. 26, 1947
143.1	143.5	149.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

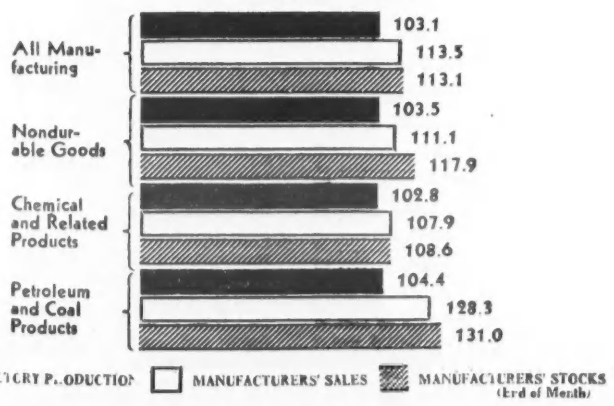
OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	135.4	133.2	110.3
March	146.2	154.9	135.2	132.7	111.9
April	146.2	152.3	134.9	132.2	115.5
May	146.7	146.1	135.1	132.5	118.2
June	147.3	143.9	135.4	132.5	121.9
July	145.9	142.5	137.7	133.5	125.5
August	144.4	140.4	136.6	133.9	123.2
September	144.3	141.9	137.0	134.0	130.4
October	143.7	146.1	143.1	133.5	133.2
November	144.4	149.7	149.2	134.0	135.1
The year	*146.1	147.6	138.8	133.8	125.2

* Eleven months.

Business in September, 1948

100=Same Month in 1947



OIT Export Control Practices Attacked by Ferguson Group

Recommendations were made to the Office of International Trade on December 20 by the Ferguson investigating committee of the senate to tighten up its export control machinery so that more will be accomplished in the economic and political purposes of the control program. The committee found what it termed "serious delinquencies" in the control machinery, and recommended, among other things, that the following steps be taken:—

1. For the purpose of eliminating disreputable and dishonest exporters consideration should be given to establishing an approved list of exporters in OIT. Individuals and firms desiring to be considered for the approved list should be required to file a registration statement setting forth detailed information concerning themselves or the firms they represent.

2. If the export control program is to be operated efficiently, it is not only necessary to initiate and maintain effective licensing procedures and practices, but these procedures and practices must continually be reviewed with a view to making revisions in the light of changing conditions.

3. Destination control to prevent the unauthorized diversion, transshipment, or end use of export commodities once such commodities have left our ports presents one of the most difficult problems in the export control program. Delay and procrastination by the OIT in solving this problem cannot be tolerated. Banks, freight forwarders, and other private business firms engaged in various phases of the export trade can materially assist in this program by furnishing information to OIT concerning violations. If these private business firms fail to render voluntary cooperation in these matters, OIT should consider promulgating regulations which will require them to furnish such information.

4. The present methods and procedures for the granting of export licenses appear to vary widely with the different commodity groups and licensing officers. Definite standards should be set up and followed in the granting and denial of licenses by the licensing officers. These standards should be sufficiently clear and

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Chemical Export Quotas Set for January-March

Export quotas for chemicals the first quarter of 1949, announced by the Office of International Trade, show no change from the quotas established for the fourth quarter of 1948. The total poundage quota of lead chemicals figures out to a little more than 1,222 short tons, lead content, which is about 600 short tons less than the announced quota for the fourth quarter.

The first quarter quotas are as follows:—

Phenol	lb.	7,500,000
Ethylene glycol	lb.	1,000,000
Lead acetate	lb.	[1]46,500
Red lead, dry	lb.	[1]820,820
Litharge	lb.	[1]420,625
White lead, dry	lb.	[1]562,400
White lead in oil	lb.	[1]125,640
Basic sulphate of white lead; chrome pigments containing 10% or more chromium, except lead-free chrome pigments; and lead pigments, including blue lead and lead sulphate	lb.	[1]576,000
Red lead in oil	lb.	[1]92,070
Antimony sulphide	lb.	30,000
Cinchona bark	lb.	50,000
Coaltar, crude and refined, containing tar acid	gal.	[2]10,500
Benzol	gal.	1,000,000
Tar-acid oil	lb.	5,000
Naphthalene	lb.	
Naphthalene balls and flakes	lb.	450,000
Cresylic acid and cresols	lb.	
Meta, para, and ortho cresols	lb.	900,000
Quinine sulphate	bulk oz.	
Quinine hydrochloride	bulk oz.	500,000
Quinidine sulphate	oz.	[3]100
Bismuth carbonate	lb.	
Bismuth sub-gallate	lb.	
Sodium bismuthate	lb.	[4]120,000
Bismuth sub-nitrate	lb.	
Bismuth sub-salicylate	lb.	
Nitrogen chemicals for industrial use—		
Sodium nitrate	lb.	
Ammonium nitrate	lb.	
Ammonium sulphate	lb.	[5]2,500,000
Urea (except synthetic resins and fertilizers)	lb.	
Urea ammonium salts	lb.	
Antimony oxides (tri-, tetra-, penta-)	lb.	750,000
Tin compounds	lb.	3,000

[1] Lead content.
[2] Coaltar, refined, tar-acid free, licensed liberally.
[3] Reserved for special projects.
[4] Bismuth content.
[5] Nitrogen content.

Fats and Oils Jan.-Mar. Export Allocations Set

January-March, 1949, fats and oils export allocations of 161,900,000 pounds were announced December 20 by the Department of Agriculture. The department also announced the allocation of oilseeds (2,639,000 bushels of soybeans, 169,314,000 pounds of shelled peanuts, and 400,000 pounds of cottonseed) equivalent to 98,000,000 pounds of oil. The shelled peanut allocations announced today include 10,000,000 pounds oil equivalent reallocated against unlicensed October-December, 1948, allocations.

The allocations of fats, oils, and oilseeds announced include 7,500,000 pounds (oil equivalent) allocated to export claimants in exchange for other fats and oils needed in the United States.

Export allocations (including exchanges) announced on December 11, 1947, for the January-March quarter of 1948, amounted to 87,000,000 pounds including oil equivalent of oilseeds. The January-March, 1949, allocations, fat content, are as follows:—

Lard	72,500,000
Margarin	2,100,000
Shortening and other edible oils	21,300,000
Linseed oil	3,500,000
Other industrial fats and oils	50,600,000
Soap	11,900,000
Total	161,900,000
Soybeans (oil equivalent)	25,100,000
Shelled peanuts (oil equivalent)	72,300,000
Cottonseed (oil equivalent)	100,000

Nonferrous Metals Export Quotas for 1st Quarter

Export quotas for the first quarter of 1949 have been announced for certain nonferrous metals by the Office of International Trade as follows:—

Old and scrap copper, 2,000,000 pounds; lead pigs and bars, 1,300,000 pounds; cadmium metals, 200,000 pounds; lead foil and lead-tin foil, 10,000 pounds; tin tubes, 8,000 pounds; zinc products, 1,000,000 pounds; and antimony, 40,000 pounds.

Flaxseed 1948 Production Decreased from Last Year

Flaxseed production throughout the world during 1948 was estimated by the Office of Foreign Agricultural Relations on December 20 at 143,500,000 bushels, compared with 126,600,000 bushels in 1947. The current estimate is 8,200,000 bushels less than the September forecast indicated.

Canada's 1948 flaxseed crop is below earlier expectations and is now estimated at 17,400,000 bushels, but the seed from Western Canada is grading over 90 percent No. 1 C.W. and the average oil content is high. An analysis of average samples representing over 4,000 carlots of seed gave a mean oil content of 42.2 percent, compared with 41.6 for seed from the 1947 crop.

Combined with the United States record production of 49,975,000 bushels and Mexico's record crop of 1,496,000 bushels, flaxseed production for the North American continent this year aggregates 68,824,000 bushels.

Preliminary estimates of 1948 flaxseed

—*Continued on page 70*

Flaxseed, Linseed Oil Import Licensing Rules Tightened

Licenses to import flaxseed and linseed oil for domestic consumption are being denied by the Production and Marketing Administration of the Department of Agriculture under a new policy of administering the provisions of War Food Order 63, it was disclosed December 23. Import licenses are being granted, officials said, only to bring in registered or certified seed flax by flaxseed growers or recognized importers.

Under the new policy, it was added, all requests for licenses to import flaxseed, seed flax and linseed oil for transshipment to other countries also will be watched closely, and no approval will be given to in-transit shipments where the products are being purchased by another country with dollars furnished by the Economic Cooperation Administration.

Tidelands Oil Claims of States Threatened by New U. S. Move

The Federal government moved December 21 to extend its claimed jurisdiction over the tidelands of the country to include the potentially rich oil lands off the coasts of Texas and Louisiana.

Attorney General Tom C. Clark petitioned the Supreme Court of the United States for a declaration of primary Federal rights over the "lands, minerals and other things underlying the Gulf of Mexico adjacent to the coasts, seaward of the low water mark."

The suit is the second of the major steps taken by the government to claim title to the tidelands. The first such action was against California, when the court ruled, in June, 1947, that the Federal government has a "paramount" interest in the coastal lands of that state. Judge D. Lawrence Groner, appointed by the Court as special master to resolve the conflicting claims of California and the Federal government on the boundaries of jurisdiction over the land, will begin taking testimony next month.

The lands involved in the newest suit contain oil and minerals potentially worth millions of dollars. Only last April the Departments of the Interior and Navy announced jointly that new explorations indicate the existence of salt dome geological structures, similar to those which have proved flush oil producers inland, in the Gulf of Mexico seaward from Sabine Pass, Tex., to Grand Cheniere, La. Private oil companies are now exploring the shallow water areas closer to shore.

Government Could Claim Royalties

Should the court rule in favor of the Federal government, then it, rather than the states, could lay claim to the royalties due from oil companies on the oil they produce from offshore wells, and also to issue leases and fix the terms of the leases.

The same would be expected to be followed by the Federal government in connection with the Louisiana and Texas leases, however, as was announced with respect to California leases. In that instance, the Federal government said that it would not interfere with the present leasing arrangements for the time being.

Legislation to nullify the court's action in the California case by declaring that title to all tidelands rests with the states rather than the Federal government will

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Pfizer Announces Promotion Of Four Young Executives

John E. McKeen has been elected executive vice-president of Chas. Pfizer & Co., manufacturing chemists, New York, it was revealed last Friday by John L. Smith, president. Formerly, he was vice-president in charge of company plants.

Other executive changes involving key personnel of the company were reported by Mr. Smith as follows:—Fred J. Stock, a vice-president, has been appointed vice-president in charge of sales; John L. Davenport, formerly secretary and general superintendent of the company, has been promoted to vice-president in charge of production, and John J. Powers, jr., assistant to the president, has been elected secretary.

Mr. McKeen, a chemical engineer, joined Pfizer in 1926, was appointed superintendent of works in 1943, a director a year later, and was named vice-president in charge of plants in 1945.

Mr. Stock, who spent many years with the Walgreen Drug Company, was chief of the drug and cosmetic division of the War Production Board during the war. He joined Pfizer in 1945 and became a vice-president and director of the company the same year.

Mr. Davenport joined Pfizer in 1929, was made superintendent of works in 1945, elected a director in 1946, and became secretary this year. Mr. Powers joined the company in 1941 as head of the legal department and was named assistant to the president in 1945.

Mr. Smith added that the changes mean the enlarging of responsibilities of the younger group of Pfizer executives and are consistent with the company's policy of providing for the growth and development of seasoned young executives under the guidance of senior officers.

Army Anhydrous Ammonia Allocated to Four Plants

The Office of Domestic Commerce announced December 23 the allocation of 4,888 tons of anhydrous ammonia from army ordnance plants to three fertilizer plants which otherwise would be forced to suspend or curtail operation for lack of this material during the first three months of 1949.

The quantity made available to each of the companies represents the minimum of anhydrous ammonia required to keep each plant in production of ammonium sulphate. The allocation amounts to 4,025 tons in terms of nitrogen content and will require the use of 188 tankcars.

Companies to which the allocations were made are Farm Service Company, Oakland, Calif.; A. F. Pringle & Co., Charleston, S. C., and Columbia Metals Company, Seattle, Wash.

Officials of the chemicals division of the ODC said that after providing for these preference cases, approximately 372 tankcar loads of Army anhydrous ammonia remain to be distributed among domestic fertilizer producers during the first quarter of the new year. This is being distributed in proportion to the participation of the recipient company in the civilian export program. It has been allotted to the following eligible producers:

Barrett Division, Allied Chemical & Dye Corporation; Commercial Solvents Corporation; E. I. du Pont de Nemours & Co.; Lion Oil Company; Mathieson Chemical Corporation; Spencer Chemical Company, and the Tennessee Valley Authority.

Minnesota Linseed Opens New Minneapolis Facility

The Minnesota Linseed Oil Company formally opened its new linseed oil plant in Minneapolis with dedication ceremonies on December 16. Known as the Fridley plant, the new facility has a capacity of 12,000 bushels of flaxseed per day and will be placed in full production early next year. F. P. Parkin is general superintendent of the plant and George Walker is assistant general superintendent.

The company is owned jointly by the National Lead Company and the Minnesota Linseed Oil Paint Company.

Export Licenses Validity Extended Through Feb. 1

Automatic extension through February 15 of export licenses which cannot be used because of the port congestion following the recent West Coast longshoremen's strike has been announced by the Department of Commerce through its Office of International Trade.

The validity periods of all export licenses which would otherwise expire between December 31 and February 14 are automatically extended through February 15 provided that they cover shipments to be made by water from any West Coast United States port.

The validity period on licenses to export from West Coast ports was previously extended on three successive occasions, starting on September 2 and running through December 31.

Olive Oil 1948-49 Output Seen 50% Below Last Year

Estimated production of edible olive oil from the 1948-49 crop has fallen below the high 1947-48 production by 55 percent, according to the Office of Foreign Agricultural Relations. Estimates for all countries total 582,000 short tons this season, as compared with 1,283,200 tons last season.

In the Mediterranean countries, all of the important European producers, Spain, Italy, Greece, Portugal and France, reported a heavy reduction from last year. Production in these countries, estimated at 1,126,300 short tons for 1947-48, declined to only 450,400 short tons for 1948-49 or a 60 percent drop. Only Tunisia, of all the countries in the Mediterranean area, has estimated a large increase in the 1948-49 production over the 1947-48 output. This season's production is estimated at 55,000 short tons, an increase of 175 percent over the 20,000 short tons produced in 1947-48.

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ECA Announces Additional Procurement Authorizations

Procurement authorizations to Marshall plan countries reached a total of $4,179,233,000 on December 22, when new authorizations issued during the prior four-day working period amounted to $136,568,000, it was announced by the Economic Cooperation Administration. Of the new authorizations, $64,960,000 were for expenditures in the United States. Among the new authorizations were the following:—

To Austria—$980,000 for vegetable oils and fats, including oleomargarin from Canada, and $2,198,000 for oilseeds from Latin America.

To Belgium-Luxembourg—$1,950,000 for crude oil from the Middle East; $2,530,000 for crude oil and petroleum products from Latin America, and $2,020,000 for crude oil and petroleum products from the United States.

To Denmark—$3,750,000 for oilcake and meal from Latin America, and $474,000 for crude oil and petroleum products from the Middle East.

To France—$12,000 for soybeans from the United States; $355,000 for oilcake and meal from the United States; $776,000 for oilcake and meal from Canada, Philippines and Latin America; $313,000 for industrial chemicals, other than alcohol, from Canada; $777,000 for nonmetallic minerals (except petroleum) from Canada; $520,000 for crude oil and petroleum products from Latin America; $1,130,000 for crude oil and petroleum products from the Middle East, and a decrease of $1,650,000 for crude oil and petroleum products from the United States.

To French North Africa—$1,225,000 for crude oil and petroleum products from the Middle East, and a decrease for the same amount for crude oil and petroleum from the United States.

To French Overseas Territories—$118,000 for chemicals and preparations, excluding fertilizers and synthetic rubber, from Canada.

To French Zone, Germany—$18,000 for

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Du Pont Advances Some Dye Prices

Contract price schedules for 1949 on dyes were announced December 23 by E. I. du Pont de Nemours & Co., Wilmington, Del. Quotations on a number of dyes are higher than they were for 1948, the maximum increase being 8 percent. Quotations on many major dyes are unchanged.

The weighted average increase in du Pont dye prices since 1939 has been approximately 33 percent, the company says. Some major dyes are still quoted the same as in 1939.

Clinton Industries Elects C.W. Metcalf as President

C. W. Metcalf, vice-president of Clinton Industries, Inc., corn derivatives manufacturer, Clinton, Iowa, was elected president of the company last Thursday. He succeeded R. E. Clizbe, who was appointed vice-chairman of the board of directors.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Ice plants—Canada.

Machinery importers, distributors—Morocco

Plastic materials manufacturers, processors—Mexico.

Textile industry—Algeria.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Antimony fluoride.
Dihydroxyanthranol.
6-7, Dihydroxybenzofuranone.
1,5-Dihydroxynaphthalene.
Diphenylcresylphosphate.
Di-tertiary-butoxydiaminosilane.
Ethyl diethanolamine.
Laurophenone.
Methoxybutyl acetate.
Methyl parastearylaminophenyltrimethyl ammonium.
Myristyl sodium sulphonate.
Potassium tetraoxide.
Sulphydryl pentathionate.
3-Sulphododecyl sodium benzoate.
Vinyl phosphate.
Zinc-diethyl.

Military Establishes New Principles in Contracting

A new set of cost principles that will govern in the contractural relations of the Armed Services and its suppliers will go into effect February1, according to an announcement of the National Military Establishment on December 15. The principles are covered in a new Section XV of the "Armed Services Procurement Regulations," dealing with the types of costs which may be allowed in research and development, supply and material, and construction cost type contracts for the Army, Navy, and Air Forces.

In general, the new section is based upon the principle that reasonable and necessary costs of performance should be allowed. In accordance with this precept, four major items not previously allowable in computing contract costs are now permissible. These are:—State income taxes; use and occupancy insurance; ordinary local charity and community benefit donations, and charges for depreciation on fully depreciated assets. Advertising in trade and technical journals also is allowed on research and development, and supply and material cost type contracts.

Final approval of Section XV was given by the three departments after it had been fully coordinated with industrial associations, accounting organizations, and other government agencies. It was developed by the Armed Services audit coordination committee, headed by Rear Adm. Frank Baldwin, USN. Its adoption is a further step in the development of uniform procurement regulations for all three departments, which started early this year.

The cost reimbursement type contract to which the regulations apply includes cost or cost-sharing contracts, cost-plus-a-fixed-fee contracts, and the cost reimbursement portion of time-and-materials contracts. Section XV is broken into five parts with part 1 covering supplies and materials; part 2, supply and research contracts with commercial organizations; part 3, research contracts with non-profit institutions; part 4, construction contracts, and part 5, subjects affecting cost which may require special consideration.

Part 2 of the regulations, which would cover the bulk of government cost reimbursement type contracts, includes as allowable direct costs the following:—

Materials entering directly into the end product or which are used or consumed directly in connection with furnishing such product. Direct labor costs consisting of

—*Continued on page 38*

French Tinplate Industry Expansion Aided by ECA

Credits of upwards of $2,000,000 were extended to the French government December 22 by the Economic Cooperation Administration for expansion of that country's largest producer of tinplate. The plant is the J. J. Carnaud & Forges de Basse-Indre, located near Nantes on the Loire River.

The funds, which will be used for purchase of American made machinery and equipment, will double the tinplate capacity of that plant, presently rated at 50,000 metric tons annually. It will raise the combined capacity of the tinplate industry of France and the Saar Basin from 216,000 to 266,000 metric tons.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office:—

Acid pumps, Buenos Aires, Argentina (CZ-7).
Calcium, Hamburg, Germany (CZ-8).
Caustic soda, Rio de Janeiro, Brazil (CZ-5, agency); Hamburg, Germany (CZ-8).
Chemicals, Remanso, Brazil (CZ-4, agency).
Chrome alum, Hamburg, Germany (CZ-8).
Drugs, Paris, France (CZ-3, agency).
Dry battery materials, Porto Alegre, Brazil (CZ-6).
Fats and oils (animal and vegetable), Hamburg, Germany (CZ-2, agency).
Fatty acids, Hamburg, Germany (CZ-2, agency).
Milk powder, Rotterdam, Holland (CZ-1).
Nickel sulphate, Hamburg, Germany (CZ-8).
Pharmaceutical products, Remanso, Brazil (CZ-4, agency).
Phosphoric acid, Hamburg, Germany (CZ-8).
Potash, Hamburg, Germany (CZ-8).
Potassium chlorate, Hamburg, Germany (CZ-8).
Potassium permanganate, Hamburg, Germany (CZ-8).
Soap making machinery, Athens, Greece (CZ-9).
Soda ash, Rio de Janeiro, Brazil (CZ-5, agency).
Sodium sulphite, Hamburg, Germany (CZ-8).
Triceresylphosphate, Hamburg, Germany (CZ-8).
Yellow phosphorus, Hamburg, Germany (CZ-8).

Maneely Sales Manager

William J. Nolan has been appointed sales manager of the Maneely Chemical Company, subsidiary of the Wheatland Tube Company. The chemical company is planning to open its new plant in Wheatland, Pa., on January 1. Mr. Nolan has operated a chemical brokerage business in his own name for the past twelve years, and was formerly associated with the General Dyestuff Corporation, the Glidden Company and other chemical firms.

Lloyd Brothers Sold To Robert H. Woodward

Lloyd Brothers, Pharmacists, Inc., Cincinnati, has been sold to Robert H. Woodward and associates, it was announced on December 22. Mr. Woodward has had the organization under his direction since August, 1946, when he was elected president and treasurer.

Lloyd Brothers is one of the oldest pharmaceutical manufacturing firms in the country, having been founded in 1870 by Dr. John Uri Lloyd. The present transaction involves the acquisition of the company's entire capital stock by the present management.

Water Pollution Control Work Needs Technicians

A need exists for qualified technical personnel to aid in carrying out the comprehensive water pollution control program pursuant to the water pollution control act of 1948, according to the Public Health Service.

Reserve commissions in the service and civil service appointments may now be applied for until further notice by qualified sanitary engineers, biologists, bacteriologists and chemists. Further information may be obtained from Chief, Division of Water Pollution Control, Public Health Service, Washington 25, D. C.

Drug, Chemical, Paint Firms Dissolutions in N. Y. Listed

Included among 4,200 stock corporations dissolved by the Secretary of State of New York as of December 15 for failure to file annual franchise tax reports for three consecutive years, are eighty corporations which from their names appear to be drug, chemical, oil, or paint corporations.

Simply the name, not the address or purposes of the corporation is given in the list, but as more than 85 percent of all new corporations formed are domiciled in the Greater New York area, it is safe to assume that the same ratio holds true of dissolved corporations.

A corporation whose name appears on this list has three months from December 15, 1948, to save its name by paying back franchise taxes, penalties and interest and a $50 filing fee with the Secretary of State. After such time the name can be used by a new corporation. The taxes due and owing by these corporations constitute a lien against any property the corporation may own.

In the past names of live corporations have appeared on these lists, and any corporation which is erroneously listed should immediately communicate with the Secretary of State, who will take steps to correct the error.

Following is the list of the eighty corporations which appear by their names to be in the categories mentioned above:—

Drug and Chemical Firms

Agrein Chemicals, Inc.; Allied Surgical Company; Anoda Perfumes, Inc.; Ar-Kay Drug Company; Barron Laboratories, Inc.; Boeddiker Pharmacy, Inc.; Broad Research Laboratories, Inc.; Brode Drug Company; Brooklyn Physicians Service, Inc.; Casco Chemical Works, Inc.; Chemical Improvements, Inc.; Consumers Drug Company; Corliss Surgical Appliance Company; Coronet Cosmetics Corporation; Cosmetic Aids, Inc.

David Dehydrations, Inc.; Diversified Chemicals, Inc.; Dorval Cosmetic Corporation; Empire Chemists, Inc.; Exposition Drug Store, Inc.; Family Drug Store, Inc.; Federal Drug Research Laboratories, Inc.; Forest Heights Pharmacy, Inc.; Geberer Chemical Corporation; General Soap Products Corporation; Grand Chemists, Inc.; Gurian Laboratories, Inc.

Hempstead Dental Laboratory, Inc.; Industrial Plastics, Inc.; Kay Chemical & Merchandising Corporation; King Manufacturing Chemists Corporation; Lacoid Chemical Corporation; Lancaster Pharmacal Company; Latin-American Chemical Corporation; Lectro Pharmacal Corporation; Leeds Cosmetics, Inc.; Lincoln Chemical & Mineral Corporation; Lipoidal Laboratories, Inc.

Magenta Parfums, Inc.; A. S. Meyers Laboratories, Inc.; Moos Chemical Corporation; National Protein Corporation; Parfums Romance, Inc.; Phinolas Chemical Company; Pino Lyptol Chemical Company; Plastics Consultant Corporation; Presto Chemical Company; Promefone Laboratories, Inc.; Prosearch Laboratories, Inc.

Quick-Kleen Soap Company; Russian Drug Manufacturing Company; S. L. Pharmacy, Inc.; Schlauch Laboratories, Inc.; Sheba Pistachio Corporation; Shigon Pharmacy, Inc.; Sterling Plastics, Inc.; U. S. Aromatic Chemical Com-

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British Chemical Industry Program Being Maintained

Latest reports from the British chemical industry say that the export program is being maintained and will very closely approach the Board of Trade's target rate of £8,050,000 monthly, according to the Scottish Amalgamated Trade News Agencies.

This performance is regarded as the more remarkable in view of the fact that the chemical industries have withheld a fair proportion of their output for those British industries which themselves produce export goods. One reason advanced for the high level of performance is the fact that comparable industries on the Continent have not revived with the speed which was anticipated. American competition on the other hand has been strong.

In recent months there has been a particular tendency for American manufacturers to quote lower prices in the European market against British producers and this has led to some speculation. It is believed, for instance, that such quotations are being used by the Continent as a negotiating angle to attempt to force lower prices from British suppliers. Whatever

—*Continued on page 38*

Payson Corp. Appoints Prescott Sales Manager

Henry S. Prescott has been appointed general sales manager of the Payson Corporation, paint manufacturer, New York, and will head up the company's entire new sales and sales promotion program. Before joining Payson, he was manager of painter and maintenance sales for the Murphy Paint Division of Interchemical Corporation. Prior to the war, Mr. Prescott was president of the Prescott Paint Company, which he founded in 1934, and before that served for fourteen years with the Sherwin-Williams Company.

Smiddy Vice-President Of General Electric

Harold F. Smiddy, general manager of the air conditioning and chemical departments of General Electric Company, has been elected a vice-president. Mr. Smiddy joined the company last March as a member of the president's staff. He will continue to carry out his previous assignments.

Washington Talks It Over

By Ralph L. Cherry

Attorney-General Tom C. Clark has given "Big Business" a Christmas present which it would have preferred not to receive. He has disclosed that the antitrust division is going to follow a more stringent policy in the future in dealing with violators of the antitrust laws.

Specifically, the new policy is this:—In cases of flagrant violations of the law by big concerns, the department no longer is going to accept a plea of nolo contendere from officials directly involved, but will insist that the cases go to trial on a criminal indictment and that the convicted be sent to jail.

The new policy is part of the stepped-up program of antitrust law enforcement that finds much favor among the liberal Democrats on Capitol Hill and grows out of demands for a stronger law-enforcement program to protect little business. It is in line with the expressed thinking of Senator Joseph O'Mahoney of Wyoming who will have much to do with antitrust legislation that comes before Congress next session.

One of the things being discussed in connection with new antitrust legislation is the advisability of setting up a system of separate courts whose sole jurisdiction will have to do with antitrust litigation. Much of the impetus for such action grows out of the heavy backlog of antitrust cases brought in the past two years, which is burdening the calendars of the courts.

One of the arguments advanced in favor of the special courts is that the judges specializing in antitrust suits would become more familiar with the laws and precedents than can jurists who are engaged in general practice, and there would be fewer of the conflicting decisions which, in the past, have made much work for the supreme court. Another thing it would do would be to prevent the Department of Justice from shopping around for juries that are unsympathetic to corporations.

Sources of National Income

The Department of Commerce has worked up some new figures on just what part of the national income is contributed by the various income-producing groups. It shows that some marked shifts in the industrial structure of the economy have occurred since 1929 when such an analysis of the structure was last made.

The relative contribution to the national income of the two biggest industrial divisions, manufacturing and trade, is currently much larger than in 1929, while that of contract construction is about the same. The contribution of each of the other nonagricultural industrial divisions, mining, communications, and public utilities, the service industries, transportation, and finance, insurance and real estate, has dropped below its 1929 percentages.

Manufacturing contributes 30.5 percent of the national income and wholesale and retail trade 18.5 percent, the combined total being just under one-half of the

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Du Pont Directors Ask Split of Common Stock

Directors of E. I. du Pont de Nemours & Co., Wilmington, Del., voted on December 20 to recommend to stockholders that the certificate of incorporation be amended to permit a split-up of the present common shares.

The plan, providing for the replacement of each of the present $20 par shares with four new shares of $5 par value each, will be put before stockholders at the annual meeting on April 11. If approved, it is contemplated the exchange will be made about June 1.

Du Pont, leading blue chip among chemical shares, has not split its common since 1929. At that time, 3½ shares of new common were issued for each share of no par common. As of September 30, 1948, there were 11,158,207 shares of du Pont common outstanding. After the proposed split, there would be 44,632,828 shares outstanding.

United Co-Operatives Opens New Office

United Co-Operatives, Inc., Alliance, Ohio, will open its West Coast office on January 10 at San Francisco. R. Wayne Mills, former manager of United's farm chemical department at Philadelphia will be in charge of the San Francisco office which is located in room 1120 of the San Francisco Bank building, 405 Montgomery street.

Crowell Chemical Elects

Crowell Chemical Company, East Rutherford, N. J., has elected Stephen Dudiak as chairman of the board; Maxwell Sawyer as president, and Jack O'Hara as vice-president and secretary.

Import

Many important basic raw materials, chemicals, and allied products are now available for shipment from various parts of the world to the U. S. A. If you are unable to obtain what you need in the U. S., send us complete particulars as we can undoubtedly be of assistance to you in securing what you require.

Export

Few houses anywhere are so well equipped as we are for International trade in chemicals. Our 40 years of importing and exporting chemicals have made us familiar traders in world markets from Rio to Bombay, from London to Shanghai.

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Export Sales Agents for
Barium Carbonate produced by
CHEMICAL PRODUCTS CORP.
Cartersville, Georgia
"manufacturers of Organic and Inorganic Chemicals"

Export Sales Agents for
HOOKER ELECTROCHEMICAL CO.
Niagara Falls, New York
"chemicals from the salt of the earth"!

Export Sales Agents for
THE SHEPHERD CHEMICAL CO.
Cincinnati 12, Ohio
"manufacturers of Driers for the Paint and Varnish Trade"

Export Sales Agents for
ARAPAHOE CHEMICALS, INC.
Boulder, Colorado
producers of fine organic chemicals

Export Inquiries solicited for the Products of
C. M. ARMSTRONG, INC.
New York, N. Y.
"lactic acid and lactates"

Export Inquiries solicited for the Products of
WESTVACO CHEMICAL CORPORATION
New York, N. Y.

We also offer for export the solvents produced by
PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma

For Prompt
OR
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DOMESTIC OR EXPORT

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SODIUM SULPHIDE

60-62%
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Industrial Application Of Chemicals

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Acetylbenzene

Adhesives—Plasticizer in adhesive compositions containing cellulose acetate or nitrocellulose.

Ceramic—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer for cellulose acetate, nitrocellulose.

Electrical — Plasticizer in insulating compositions, containing cellulose acetate or nitrocellulose, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer in coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate or nitrocellulose.

Paper—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Plasticizer in making films from cellulose acetate or nitrocellulose.

Plastics—Plasticizer in making laminated-fiber and molded articles, and plastic materials containing nitrocellulose or cellulose acetate.

Resins—Plasticizer in resin-nitrocellulose compositions and solutions.

Rubber—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting rubber goods.

Stone—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing nitrocellulose, used as protective and decorative coatings on woodwork.

3-Phenylphenol Betathiocyanobutylether

Pesticide—Toxicant (U.S. 2185208) in insecticidal compositions.

Get New Posts with Diamond Alkali

John A. Sargent (left) has been elected executive vice-president of the Diamond Alkali Company, effective January 1, and C. S. Hancock has been appointed manager of calcium carbonate sales of the company's pure calcium products division. Mr. Sargent advances to his new post from the position of vice-president of finance which he has held since 1947. He joined the company as its treasurer in 1946. Mr. Hancock has been a member of the sales staff of pure calcium products division since 1936, and has been associated with the company since 1925.

Plaskon Division Appoints Bigelow Technical Director

Dr. Maurice H. Bigelow has been appointed technical director of Plaskon Division of Libbey-Owens-Ford Glass Company, Toledo. In his new post, he has full responsibility for both technical service and research activities. Dr. William C. Dearing, former research director, has resigned to join Behr-Manning Corporation, Troy, N. Y.

Dr. Bigelow joined the Plaskon organization in 1933 and since then has been director of technical service. He previously had been head of the science department at the American University at Salonika, Greece, and had been a Fellow in resin research at the Mellon Institute.

Heekin Heads Can Makers

Dan M. Heekin, president of the Heekin Can Company, Cincinnati, has been elected president of the Can Manufacturers Institute, the office he held when the group was established in 1938. He succeeds Robert S. Solinsky, president of Cans, Inc., Chicago. All other officers were reelected.

Fertiliser Society Elects

At the first annual general meeting, the Fertiliser Society, London, reelected David Boyd as president and A. E. Sell as vice-president. H. B. Davies, D. P. Hopkins, and J. W. Napier were elected to the council in place of D. J. Bird, J. R. G. Fison and A. T. Vernon, who had retired by rotation.

AWWA Meets May 30-June 3

The American Water Works Association will hold its 1949 annual conference at the Stevens hotel, Chicago, on May 30 to June 3. The board of directors will meet on May 29.

Kharasch to Receive John Scott Award

Dr. Morris S. Kharasch, Carl William Eisendrath Professor of Chemistry in the University of Chicago, whose research on seed disinfectants led to greatly increased yields of cotton, corn, wheat and other vital crops, has been chosen to receive the John Scott Award bestowed annually through the Board of Directors of City Trusts of Philadelphia.

The award, consisting of $1,000 and a copper medal, will be presented to Dr. Kharasch at a dinner of the Delaware section of the American Chemical Society at the du Pont hotel, Wilmington, Del., on January 26.

The presentation will be made by Ernest T. Trigg, former president of the National Paint, Varnish and Lacquer Association and chairman of the advisory committee on the John Scott Award, one of the nation's oldest scientific honors, which was established in 1816 by John Scott, a chemist of Edinburgh, Scotland.

Midwest Research Institute Appoints Ziegler Director

The Midwest Research Institute announces the appointment of Dr. George E. Ziegler as director and Dr. Clayton O. Dohrenwend as assistant director of the institute.

Dr. Ziegler came to the institute at the time of its inception in 1945 as executive scientist, having previously been associated with Armour Research Foundation, Chicago. He has been acting chief administrator of the Institute since the resignation of Harold Vagtborg some six months ago.

Dr. Dohrenwend, appointed to the newly established position of assistant director, has been research consultant since coming to the institute in July, 1946. He was formerly associated with Illinois Institute of Technology as director of the mechanics department.

NPVLA Asks Trademarks For Listing by January 17

The trademark committee of the National Paint, Varnish and Lacquer Association has issued an urgent request for the listing of all trademarks used by companies in the paint, varnish and lacquer industry which are not printed in the 1947 Trade Mark Directory published by the association. January 17 is the deadline for receipt of the information at association headquarters, 1500 Rhode Island avenue, N.W., Washington 5, D. C.

Felton Resigns as Head Of Office of Production

George E. Felton, of Boston, has resigned as director of the Office of Production of the National Security Resources Board, it was announced December 22 by John R. Steelman, acting chairman of the board. Edward V. Hickey, special assistant to the director in charge of task groups, was named temporary director of the division.

USDA Plans New Research On Radioactive Chemicals

Extensive new programs of research in soil and plant science will be carried on under arrangements concluded by the Department of Agriculture and the Atomic Energy Commission.

The programs will center in new facilities, such as greenhouses and "hot" laboratories for handling radioactive chemicals, to be constructed by AEC at the plant industry station of the department at Beltsville, Md. Soil and plant scientists on the staff of the bureau of plant industry, soils, and agricultural engineering will carry on the studios.

One group of studies is aimed to give aid in the safe disposal of liquid radioactive wastes at installations of the atomic energy program by ascertaining exactly how radioactive elements behave when introduced into soils. Facts will be sought on the movement, the fixation, and the release of various radioactive substances in various soil types.

These studies are expected to result in new and more precise knowledge which will bear on how and when to plow and cultivate and fertilize for best results with different crops on different soil types. Other purposes of the work to be carried on under the agreement include:

1. Development of procedures for safe and effective use of radioactive isotopes in soil and crop research.
2. Supplying for use by other agricultural research agencies fertilizers incorporating radioactive trace elements.
3. Developing in the Department of Agriculture and cooperating state agricultural experiment stations a group of scientists skilled in the use of isotopes in soil and crop research.

SPE Sets Program For Annual Meeting

The Society of Plastics Engineers will hold its annual meeting at the Bellevue-Stratford hotel, Philadelphia, on January 19 to 21. Papers to be presented at the meeting will be as follows:

January 19

"Flame-resistant Cellulose Acetate," by B. E. Cash, Celanese Corporation of America; "Effect of Composition and Compounding on Processing and Physical Properties of Rigid Vinyls," by G. E. Field, B. F. Goodrich Company; "Tuflite—A New Thermoplastic Molding Composition," by H. S. Sell, Goodyear Tire & Rubber Company; "Polymers of Monochlorotrifluoroethylene," by L. C. Rubin, M. W. Kellogg Company.

Also, "A New Alkyd Thermosetting Molding Composition," by M. A. Bigelow, Plaskon Division, Libbey-Owens-Ford Glass Company; "Protective Films From S-Polymers — New Thermoplastics for Molding and Extrusion," by R. G. Newberg, Standard Oil Development Company; "SatUSply—A New Plastic Surfacing Material," by R. M. Paulsen, U. S. Rubber Company; "New Approaches in Evaluation of Plasticizers," by J. K. Craver, Monsanto Chemical Company, and "Plastics Education and Research at Princeton," by L. F. Rahm, Princeton University.

January 20

"The Quartermaster Research Program on Plastics and Coated Fabrics," by W. A.

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Oil Shale Fuels Work Exceeding Expectations

One of the major problems in converting the nation's immense oil shale reserves to useful liquid fuels was brought a step nearer solution on December 13 with the announcement by James Boyd, Director of the Bureau of Mines, that the initial test run in a new continuous-type retort at Rifle, Colo. has exceeded expectations.

Having a design capacity of twenty-five tons of shale a day, this pilot plant unit at the bureau's oil-shale demonstration plant has operated smoothly in general from the outset. Minor mechanical difficulties encountered are being corrected.

Oil recoveries have exceeded the Fischer assay value of the thirty-gallon-per-ton shale used, Mr. Boyd said. When spent shale processed in this initial test also was assayed it yielded no additional oil, indicating that extraction in the retort was complete. Detailed performance data will not be available, however, until further tests are made.

SOCMA Meets Jan. 12

The regular monthly luncheon meeting of the Synthetic Organic Chemical Manufacturers Association will be held at the Commodore hotel, New York, at 12:15 p.m. on January 12.

Association Meeting Dates

American Drug Manufacturers Association, Boca Raton Club, Boca Raton, Fla., April 4-7.

American Institute of Chemical Engineers, Pittsburgh, Pa., November 7-10.

American Institute of Mining and Metallurgical Engineers, Fairmont hotel, San Francisco, February 13-17.

American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.

American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 21-July 1.

American Water Works Association, Stevens hotel, Chicago, May 30-June 3.

Association of American Soap and Glycerine Producers, Commodore hotel, New York, January 26-27.

Bims of New York, annual dinner, New York Athletic Club, January 27.

Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.

Chemical Market Research Association, New York, February 10.

Chicago Technical Societies Council, production show, Stevens hotel, Chicago, March 14-17.

Chlorine Institute, New York, January 19.

Commercial Chemical Development Association, La Salle hotel, Chicago, January 19.

Compressed Gas Manufacturers Association, Waldorf-Astoria hotel, New York, January 17-18.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 10; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.

Essential Oil Association, Plaza hotel, New York, January 7.

Federal Wholesale Druggists Association, Pennsylvania hotel, New York, March 14-16.

National Farm Chemurgic Council, Memphis, Tenn., March 30-April 1.

National Material Handling Exposition, Philadelphia auditorium, January 10-14.

National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 13-15.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.

Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.

Soap and Detergent Manufacturers Association, New Yorker hotel, New York, January 25.

Society of Plastics Engineers, Bellevue-Stratford hotel, Philadelphia, January 19-21.

Technical Association of the Pulp and Paper Industry, Commodore hotel, New York, February 21-24.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.

What makes Baker's THIOCYANATES *so popular?*

HERE ARE ten reasons why Baker's Thiocyanates have proved so popular with pharmaceutical, textile dyeing, photographic, chemical process, and adhesive industries;

1. Each Baker Thiocyanate is an all-synthetic product.
2. Baker controls the basic raw material—both the quality and availability.
3. Baker's Thiocyanates are always white, with no discoloration due to raw material variation.
4. They contain no foreign sulfides.
5. Iron is kept to an extremely low level.
6. Baker's Thiocyanates contain no tarry residues because they are a synthetic product, not a recovery product.
7. Alkalies and alkaline earths are negligible.
8. Non-volatile matter is very low.
9. Heavy metals are extremely low.
10. Baker's Thiocyanates are produced in the form of regular needle crystals for ready solubility.

Baker makes a complete line of Thiocyanates: Ammonium Thiocyanate is available in C. P. crystal, C. P. Special ACS, Purified Crystal and Technical Crystal. Calcium Thiocyanate is offered in two concentrations—Purified Liquid about 78% and about 45%. Potassium and Sodium Thiocyanates come in C. P. Crystal, N. F. Crystal and Technical Crystal.

Please write for test samples and prices.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, N. J. *Branch Offices:* New York, Philadelphia, Boston and Chicago.

Baker's Chemicals

C. P. ANALYZED · FINE · INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

December 23, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½- .13
tanks, works lb. .10 - —

Acetaldol (see Aldol).

Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43

Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½

USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. .41 - .56

Acetic anhydride, dms., c.l., frt. alld., E lb. .13½ - —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —

Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .66 - —

Acetoacetparaphenetidide, dms., works, 500 lbs. or more lb. 1.65 - —
smaller lots, same basis lb 1.90 - —

Acetoacetorthoanisidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —

Acetoacetorthochloranilide, bbls., works lb. 1.13 - —
fib. dms., works lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —

Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l. dlvd. lb. .11 - —
tanks, dlvd. lb. .08½- —

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20

Acetophenone, cns., dms lb. 1.50 - 1.85
tech., l.c.l., dms., works lb. .75 - —

Acetyl chloride, cbys., works lb. .55 - .60

Acetyltriethyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs lb. .41 - .47

Acid, abietic, dms., c.l., works lb. .07½- —

Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs.10.85 -11.10
glacial, synthetic, CP, dms., works 100 lbs.13.50 -14.00
USP, dms., works 100 lbs.11.50 -12.00
tech., dms., c.l., works 100 lbs.10.00 -11.00
tanks, works 100 lbs. 8.60 - 9.12

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59

Betaoxynaphthoic, bbls., works lb. 1.25 - 1.43

Boric, tech., 99.5%, cryst., paper bgs., c.l., frt. split ton.124.00 - —
ton lots, ex whse ton.148.00 - —
less than ton lots, ex whse ton.153.00 - —
powd., paper bgs., c.l., frt. split ton.104.00 - —
ton lots, ex whse., N. Y. or Chi ton.128.00 - —
less ton lots, same basis ton.133.00 - —
bbls., c.l., frt. split ton.124.00 - —
ton lots, ex whse., N. Y. or Chi ton.148.00 - —
less car lots, same basis. ton.153.00 - —
gran., bulk ton.95.50 - —
paper bgs., c.l., frt. split. ton.99.00 - —
ton lots, ex whse., N. Y. or Chi ton.123.00 - —
less ton lots, same basis. ton.128.00 - —

Boric, tech., 99.5%, gran., bbls., c.l., frt. split ton.119.00 - —
ton lots, ex whse., N. Y. or Chi ton.143.00 - —
less ton lots, same basis ton.148.00 - —

USP $25 per ton higher.

Broener's, bbls lb. 1.45 - —

Butyric, 99%, dms., c.l., works. lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —

Cacodylic, bots. lb.12.00 -13.00

Camphoric, natural, dms. lb. 6.00 6.75
synth., dms. lb. 5.50 6.00

Capric, tech., dms lb. .50 .50½

Caprylic, 99%, dms lb. .50 .50½

Castor oil, split, dms. lb. .35¾- .36¾

Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½ —

Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27

Cinnamic, refd., bots lb. 3.00 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb .27 —
10,000 lbs., 1 ship't lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder ½c. per lb. higher.

USP, cryst., bbls., c.l lb. .27½ —
10,000 lbs., 1 ship't lb. .28 —
smaller lots lb .28½- —
kgs. lb. .29½- —
gran., fine gran., bbls., c.l lb. .24½ —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —

USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .65 - .66

Coconut oil, dist., dms. lb. .32¼- .33¼

Corn oil, s.d., dms. lb. .14½- Nom.

Cottonseed oil, dist., dms lb. .15¾- .16¾

Cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works and frt. equald gal. 1.61 - —
l.c.l., same basis gal. 1.64 - —
tanks, same basis gal. 1.55 - —

Petroleum, 195°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 —
190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 —
l.c.l., same basis gal. .95 .97
tanks, same basis gal. .85 —

Acid, cresylic, dom., petroleum, 210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 —
l.c.l., same basis gal. .765 .785
tanks, same basis gal. .665 —

235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .52 —
l.c.l., same basis gal. .72 .74
tanks, same basis gal. .62 —

Crotonic, bbls., Canadian, works. lb. .35 —

Dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald lb. .75 - —
l.c.l., same basis lb .83 .90

Diethylbarbituric (see Barbital).

Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —

F, bbls., works lb. 1.73 1.78

Folic, bots gram. 2.00 - —

Formic, 85%, cbys., c.l., dlvd lb. .13 - .13¼
l.c.l., dlvd lb. .14 - .15
90%, cbys., c.l., dlvd lb. .13½- .14
l.c.l., dlvd lb. .14½- .15

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 - 1.48

Gamma, bbls. lb. 1.22 - 1.30

Gluconic, tech., 50%, bots lb. .23 .31
dms. lb. .14 - —
kgs. lb. .16 —

Glutamic-l, 99%, fiber dms., 100 lb. lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .55 - —

Hydriodic, 45-47%, cbys lb. 2.69 - —
57%, cbys lb. 2.83 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 - —
tech., 48%, cbys., dlvd. E lb. .34 .36
34%, cbys., dlvd. E lb. .35 .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. .80 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 .40

Hydrofluoric, anhyd., cyls., works lb. .19 - .19¼
tanks, works lb. .16½- —
30%, steel dms., works lb. .08½- .09
70%, steel dms., works lb. .15¾- .16¼

Hydrofluosilicic, 30-35%, bbls lb. .08 - .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W Va., 100% basis lb. .085 —

Acid, hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.87
L, bbls., works lb. .60 - .95

Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 5 or less lb. .29 - .29½
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3548
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .40 - .40½
60%, dms lb. .35 - .35½
Linseed oil, reg. dist., dms lb. .3200- .3250
water white, dms lb. .3500- .3550
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms. lb. 47 —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, kgs., works lb. .95 1.10
Monochloroacetic, purified, flake, 99%, dms lb. .23½- .24¼
tech., flake, 96-97%, bbls lb. .19 - .21
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys. c.l., E. works 100 lbs. 2.45 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - .91
Nicotinic, USP, dms., works kilo 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.65
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 - .18
Oleic (see Oil, red).
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. c.l., works lb. .67 - —
l.c.l. works lb. .69 - —
Oxalic, bbls., c.l., works lb. .14½- —
10,000 lbs., works lb. .14¾- .15
smaller lots, works lb. .15¼- .15¾
Palm oil, white, dist., dms lb. .21¼ .21¾
Para-aminobenzoic, purified, dms., works lb. 4.00 Nom.
technical, dms., works lb. 1.70 - —
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 .95
Peanut oil, s.d., dms. lb. .16¼- Nom.
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.25 6.00
cbys., c.l., works, frt. equald 100 lbs. 5.00 —
l.c.l., works, frt. alld., 100 lbs. 6.00 7.50
75%, bbls., c.l., works, frt. equald 100 lbs. 5.75 - —
l.c.l. lb. 11½ .13

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
		E.	east	ord.	ordinary
artif.	artificial	e.p.	end point	oz.	ounce
ASTM.	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bgs.	bags	ffa.	free fatty acid	photo.	photographic
bbls.	barrels	ffc.	free from chlorine	pkgs.	packages
bls.	bales			powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
				pulv.	pulverized
b.r.	boiling range	frt.	freight	purif.	purified
bxs.	boxes	fus.	fused	redist.	redistilled
C.	centigrade	gal.	gallon	refd.	refined
cbys.	carboys	gran.	granular	refy.	refinery
CD	completely denatured	grd.	ground	reg.	regular
		i.&a.	iron and aluminum	resub.	resublimed
c.i.f.	cost, insurance, freight			ret.	returnable
cks.	casks	i.b.p.	initial boiling point	SD	specially denatured
c.l.	car lots			s.d	single distilled
cns.	cans	imp.	imported	S. E.	southeast
col.	color	incl.	included	secs.	seconds
com'l	commercial	indust.	industrial	s.g.	specific gravity
conc.	concentrated	kgs.	kegs	ship't	shipment
CP	chemically pure	lacq.	lacquer	solut.	solution
cps.	centipoises	lb.	pound	s.u.	standard unit
cryst.	crystal	l.c.l.	less than car lots	synth.	synthetic
cs.	cases	liq.	liquid	tech.	technical
ctns.	cartons	m.a.p.	mixed aniline point	USP	U. S. Pharmacopoeia
cyls.	cylinders			vis.	viscosity
dbl.	double	min.	minimum	VM&P	varnish makers & painters
denat.	denatured	m.p.	melting point		
dest.-dist.	destructive-distilled	N.	nitrogen	W	west
dextro.	dextrorotatory	natural	natural	w.w.	water white
dist.	distilled			whse.	warehouse

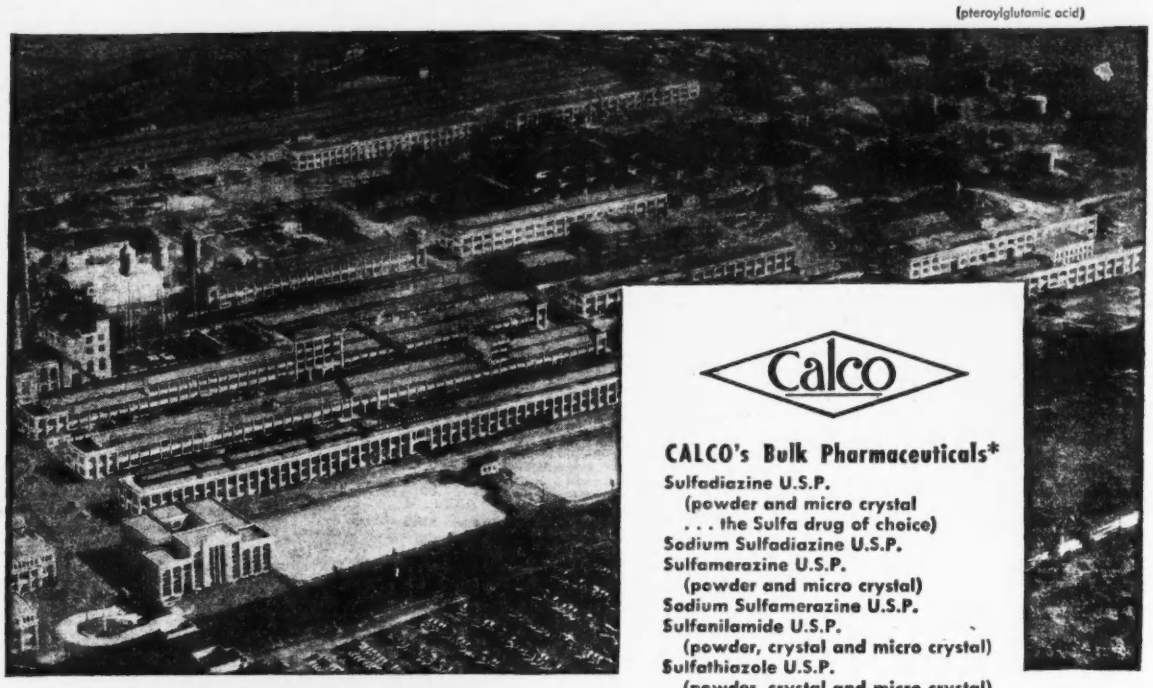
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

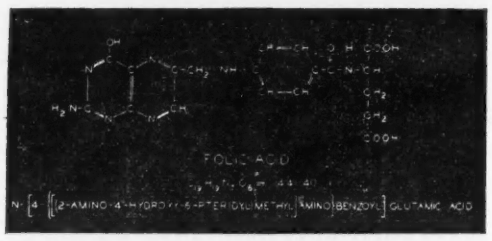
Acid, Phosphoric—Alphatocopherol

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs.		6.10	—
l.c.l., works, frt. alld. 100 lbs.		8.00	9.00
tanks, works, frt. equald 100 lbs.		4.00	—
NF, 85%, cbys., c.l	lb.	.10½	—
dilute, 10%, cbys., djns	lb.	.07	.07½
For shipments in cbys., add handling charges.			
Picramic, bgs.	lb.	.65	.70
Picric, tech., bbls	lb.	.32	.33
NF, bbls.	lb.	.42	—
Propionic, nat., dms., works	lb.	.18	—
tanks, works	lb.	.17	—
synth., pure, dms., works	lb.	.22	—
tanks, works	lb.	.21	—
Pyrogallic, tech., bbls	lb.	No prices.	
NF, cryst., dms	lb.	2.95	3.18
resub., dms	lb.	3.45	3.60
Pyroligneous, bbls., incl., l.c.l., ex whse	gal.	.43	—
Ricinoleate (see Acid, castor oil, split).			
S, bbls., works	lb.	2.79	3.01
Salicylic, tech., bbls., c.l	lb.	.31	—
smaller lots	lb.	.38	—
USP, bbls., cryst	lb.	.40	—
smaller lots	lb.	.50	—
powder, bbls	lb.	.45	—
smaller lots	lb.	.55	—
Sebacic, purif., dms., c.l., works.	lb.	.54½	—
l.c.l., works	lb.	.56½	.60½
Soybean oil, s.d., c.l. works	lb.	.16¼	.17¼
Acid, stearic, double pressed, bgs	lb.	.24½	.25½
single pressed, bgs	lb.	.24	.25
triple pressed, bgs	lb.	.27¼	.28½
Succinic, bbls	lb.	.87	.90
Sulphanilic, CP, bots., works	lb.	1.60	1.63
tech., dms., works	lb.	.17	—
Sulphuric, 60°Be, cbys., c.l., works	100 lbs.	1.40	—
l.c.l., E. works	100 lbs.	1.80	2.50
tanks, E. works	ton.	13.75	—
66°Be, cbys., c.l., E. works	100 lbs.	1.65	—
l.c.l., E. works	100 lbs.	2.05	2.75
tanks, E. works	ton.	17.00	—
98%, tanks, E. works	ton.	18.00	—
CP, NF, consumers, cbys., extra, c.l., works, frt. equald	lb.	.07¾	—
l.c.l., same basis	lb.	.09¼	.09¾
5 pt. bottles extra, cs., c.l., works, frt. equald	lb.	.11¼	—
l.c.l., same basis	lb.	.12¾	.13¾
fuming, 20%, tanks, E works.	ton.	18.00	—
Tallow, dist., dms	lb.	.16¼	.17¼
Tannic, tech., 60-62%, dms	lb.	.68	.69
70-72%, dms.	lb.	.80	.85
75-76%, dms.	lb.	.88	.90
USP, fluffy, bbls., 1,000-lb. lots	lb.	1.45	—
smaller lots	lb.	1.47	1.55
powder, bbls., 1,000-lb. lots	lb.	1.35	—
smaller lots	lb.	1.30	1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't	lb.	.37½	—
smaller lots	lb.	.38	—
100-lb. dms	lb.	.39	—
small, dms	lb.	.41	.43
imported, kgs	lb.	.30	.30½
Acid thioglycolic, refined, bbls., cbys., basis 100%	lb.	1.85	2.00
tech., bbls., cbys., basis 100%	lb.	1.40	—
Tobias, bbls.	lb.	.65	—
Trichloroacetic, bots.	lb.	2.00	2.50
Toluenesulphonic, dms., works	lb.	.20	—
Tungstic, tech., 100 lb. pkgs.	lb.	2.75	Nom.
Aconite leaves, bls.	lb.	.55	.60
Root, bbls.	lb.	.70	.75
Aconitine, amorph., mild, bots	oz.	27.50	32.50
cryst., potent, bots	oz.	85.00	—
Acrylonitrile, dms., c.l., works	lb.	.33½	—
l.c.l., works	lb.	.34	.45
tanks, works	lb.	.32½	—
Adeps lanae (see Lanolin)			
Adonis vernalis herb, bls	lb.	.35	.40
Agar	lb.	3.25	4.10
Agaric, white, bls	lb.	1.75	1.80
Agrimony herb, bls	lb.	.35	.40
Albumen (egg), edible, flake, bbls	lb.	2.65	2.75
powd., bbls.	lb.	2.70	2.80
tech., cryst., bbls.	lb.	1.48	1.60
Albumin, blood, dark (see Blood, dried, soluble)			
light, dms., l.c.l.	lb.	.70	.75
Egg (see Albumen).			
Alcohol, allyl, dms., c.l., dlvd	lb.	.26½	—
l.c.l., dlvd.	lb.	.27½	—
tanks, dlvd.	lb.	.25	—
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss	lb.	.18	—
l.c.l., frt. alld. E. of Miss	lb.	.19	—
tanks, frt. alld. E. of Miss	lb.	.17	—
refined fermentation, 126-132°C, (see also Fusel oil, ref.) dms., dlvd	lb.	.36	—
128-132°C, dms., dlvd.	lb.	.42	—
Benzyl, cns	lb.	.72	.80
dms.	lb.	.68	.88
Alcohol, butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld.	lb.	.19	—
l.c.l., frt. alld. E	lb.	.20	—
tanks, frt. alld. E	lb.	.17½	—
tankwagon, frt. alld. E	lb.	.18	—
other production, dms., c.l., frt. alld. E	lb.	.19	.19½
l.c.l., frt. alld.E	lb.	.20	.20½
tanks, frt. alld. E	lb.	.17½	.18
synthetic, normal, dms., c.l., frt. alld., E	lb.	.19	—
l.c.l., frt. alld. E	lb.	.20	—
tanks, frt. alld. E	lb.	.17½	—
Normal synthetic butyl alcohol prices in West .01c. per lb. higher			
secondary, dms., c.l., dlvd	lb.	.12	—
l.c.l., dlvd.	lb.	.12½	—
tanks, dlvd.	lb.	.10½	—
tertiary, dms., c.l.	lb.	.13½	—
l.c.l., dms.	lb.	.14	—
tanks	lb.	.12	—
Capryl, dms., c.l., works	lb.	.26	—
l.c.l. works	lb.	.27	—
tanks, works	lb.	.24½	—
Cetyl, dom., CP., fiber ctns., 1,000 lbs	lb.	1.50	—
smaller lots	lb.	1.55	—
Cinnamic, bots	lb.	2.80	3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss R.	gal.	.55½	—
l.c.l., dlvd. E. of Miss R.	gal.	.59½	.64½
tanks, dlvd. E. of Miss. R.	gal.	.46	—
tankcar sales requires written authorization by Alcohol Tax Unit.			
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R	gal.	.55½	—
l.c.l., same basis	gal.	.59½	.64½
tanks, same basis	gal.	.46	—
SD2B, dms., c.l., E. of Miss. R	gal.	.54	—
l.c.l., same basis	gal.	.58	.63
tanks, same basis	gal.	.44½	—
SD23H, dms., c.l., dlvd. E. of Miss. R	gal.	.56	—
l.c.l., same basis	gal.	.60	.65
tanks, same basis	gal.	.46½	—
SD29, denatured with acetaldehyde, dms., c.l., dlvd. E of Miss. R	gal.	.54	—
l.c.l., same basis	gal.	.58	.63
tanks, same basis	gal.	.44½	—
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.			
Proprietary solvent, dms., c.l., dlvd. E. Miss. R	gal.	.56½	—
l.c.l., same basis	gal.	.60½	.65½
tanks, same basis	gal.	.47	—
Tankcar sales require written authorization by Alcohol Tax Unit.			
Special solvent (see proprietary).			
Diacetone, acetone free, dms., c.l., dlvd	lb.	.13½	.14½
l.c.l., dlvd	lb.	.14	.15½
tanks, dlvd	lb.	.12	.13
tech., dms., c.l., dlvd	lb.	.14	—
l.c.l., dlvd	lb.	.15	—
tanks, dlvd	lb.	.12½	—
Ethyl, 190 pf. tax paid dms., c.l., dlvd. E. Miss. R	gal.	17.62½	—
l.c.l., same basis	gal.	17.66½	17.71½
tanks, same basis	gal.	17.53	—
tax free, dms., c.l., dlvd. E. Miss. R	gal.	.52½	—
l.c.l., same basis	gal.	.56½	.61½
tanks, same basis	gal.	.43	—
absolute, tax paid, dms., c.l., same basis	gal.	18.59½	—
l.c.l, same basis	gal.	18.63½	18.68½
tanks, same basis	gal.	18.50	—
Ethylhexyl, dms., c.l., works	lb.	.30	—
l.c.l., same basis	lb.	.30½	—
tanks, same basis	lb.	.28½	—
Furfuryl, tech., cns., works	lb.	.30	—
dms., c.l., works	lb.	.21½	—
l.c.l., works	lb.	.23	—
tanks, works	lb.	.18	—
Isoamyl (see Alcohol, amyl, refined, fermentation).			
Isobutyl, refd., dms., works	lb.	.13	—
tanks, works	lb.	.12	—
Isopropyl, refd., 91%, dms., incl., c.l., dlvd	gal.	.50½	—
l.c.l., dlvd.	gal.	.53½	—
tanks, dlvd	gal.	.41	—
95%, dms. incl., c.l., dlvd	gal.	.52½	—
l.c.l., dlvd	gal.	.55½	—
tanks, dlvd	gal.	.43	—
99%, dms. incl., c.l., dlvd	gal.	.54½	—
l.c.l., dlvd	gal.	.57½	—
tanks, dlvd	gal.	.45	—
Methyl (see Methanol).			
Methylamyl (see Carbinol, methylisobutyl).			
Octyl, perfumer's grade, bots	lb.	2.40	—
Phenylethyl, cns.	lb.	1.50	1.70
Polyvinyl, type A, fiber-pack, Niagara Falls	lb.	.65	.70
type B, fiber-pack, same basis	lb.	.60	.68
Propyl, normal, dms., c.l., works.	lb.	.12	—
l.c.l., works	lb.	.12½	—
tanks, works	lb.	.10½	—
Salicyl (see Saligenin).			
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia	lb.	.47	—
dms., c.l., Waverly, N. Y.	lb.	.40	—
l.c.l., same basis	lb.	.44	—
tanks, Niagara Falls, N. Y.	lb.	.36	—
Aldol, 95%, dms., works	lb.	.15	.16
denaturing grade, dms.	gal.	1.33	1.48
Aletris root, bgs.	lb.	1.60	1.65
Algin, bbls., fib. dms	lb.	.76	1.00
Alizarin (see Red, alizarin).			
Alkanet root, bgs.	lb.	.45	.50
Allspice, Jamaica (see Pimento).			
Guatemalan, bgs., futures	lb.	.21½	.22
Mexican, bgs.	lb.	.13	.13½
Allyl bromide, cbys., 5,000 lbs., works	lb.	.99	—
smaller lots, works	lb.	1.05	1.10
Chloride, dms., c.l., dlvd	lb.	.16½	—
l.c.l., dlvd.	lb.	.17	—
tanks, dlvd.	lb.	.15	—
Aloe, Cape, cs	lb.	.35	.40
Curacao, kgs.	lb.	.35	.36
Socotrine, kgs	lb.	.35	.36
Aloin, bbls., dms., kgs	lb.	3.75	4.05
Alphacellulose, bgs., c.l., works	lb.	.04	.15
Alphanaphthol, bbls	lb.	.70	—
Alphanaphthylamine, bbls	lb.	.41	.42
Alphanaphthylthiourea, 93-98%, fib. dms., works. frt. alld	lb.	4.00	4.40
Alphanitronaphthalene, bbls	lb.	.37	—
Alphapicoline, ret. dms., works, frt. equald	lb.	.27½	.30
Alphapinene, tanks, South, works	gal.	.47	—
Alphaterpineol, dms., l.c.l., dlvd. E.	lb.	.18	—
Alphatocopherol, bots.	kilo.	750.00	—
Acetate, bots,	kilo.	750.00	—

IMPORTANT MEMBER OF B COMPLEX • FOLIC ACID

(pteroylglutamic acid)





FOLIC ACID, an important member of the Vitamin B Complex, is now being used in increasing quantities in multi- and B complex vitamins. Folic Acid has a wide range of application in anemia therapy and has been demonstrated to produce dramatic results in a number of macrocytic anemias, including sprue, gestational macrocytic anemia, macrocytic anemia of gastrointestinal origin, and the macrocytic anemias associated with pellagra and similar deficiency states. Folic Acid is effective either by oral or parenteral administration and is especially recommended for those patients exhibiting sensitivity to liver extract. Because anemias are generally considered to be dietary deficiencies, it is natural to combine folic acid with other members of the B complex in vitamin preparations.

Calco

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Sulfadiazine U.S.P.
(powder and micro crystal . . . the Sulfa drug of choice)
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder and micro crystal)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Dicumarol
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl.
Pyridoxine HCl.
Saligenin
Propylthiouracil
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*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

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AMERICAN Cyanamid COMPANY

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we have accumulated a year-end inventory
and desire to dispose of the following:

ACETYL SALICYLIC ACID U.S.P.	92 lbs.
ACETYLENE TETRACHLORIDE	59,800 lbs.
ANILINE OIL	29,900 lbs.
BUTYL ACETATE	17,940 lbs.
BUTYL ALCOHOL	369 lbs.
CALCIUM LACTATE (Edible)	3,400 lbs.
CETYL ALCOHOL (Pure)	1,000 lbs.
HEXAMETHYLENETETRAMINE	450 lbs.
LANOLIN U.S.P. ANHYDROUS	391 lbs.
MODIFIED SODA	2,100 lbs.
MYRISTYL ALCOHOL	300 lbs.
NAPHTHALENE (Refined Chips)	39,000 lbs.
OCTYL ALCOHOL NORMAL	32,500 lbs.
POTASSIUM GUAIACOL SULFONATE	500 lbs.
SODIUM SULPHIDE (Flakes)	12,285 lbs.
TETRACHLORETHANE	59,800 lbs.
TRICRESYL PHOSPHATE	21,560 lbs.

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TELEPHONE ORegon 9-2550

CABLE—"WILNEUBERG"

Althea Root—Antimony-Potassium Tartrate

Althea root, NF, peeled, bls ..... lb. .30 - .35
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works ..... 100 lbs. 3.80 - —
lump, bbls., works ..... 100 lbs. 4.65 - —
powd., bbls., works ..... 100 lbs. 4.20 - —
Alum, potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works ..... 100 lbs. 4.25 - —
powd., bbls., works ..... 100 lbs. 4.45 - —
Potash-chrome, bbls ..... lb. .12½- .15
Soda, bbls., c.l., works ..... 100 lbs. 3.25 - —
l.c.l., dlvd ..... 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- —
l.c.l., works ..... lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works ..... lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .12½- —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works ..... lb. .06½- .06¾
solution, 32°, cbys., c.l., works lb. .02¾- —
l.c.l., works ..... lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald. lb. .10 - —
l.c.l., frt. alld ..... lb. .11 - .13
Formate, basic solution, cks., c.l. lb. .09½- —
l.c.l., works ..... lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton.50.00 -54.00
l.c.l., works ..... ton.72.00 -86.00
light, bgs., dlvd ..... lb. .17 - —

Aluminum hydroxide, gel, pharmaceutical 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works ..... lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works ..... lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works ..... lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls ..... lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs ..... lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- .25
Oleate, dms., contract ..... lb. .43¾- —
Oxide, amorphous (see Alumina, calcined), crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 - .15
kgs., ton, frt. alld ... lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld. lb. .52 - .33
kgs., frt. alld ..... lb. .31 - —
classified, 500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld ..... lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld ..... lb. .50 - —

Aluminum oxide, optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld, lb. .16 - .17
kgs., frt. alld ..... lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 - —
jars, works ..... lb.15.00 -17.00
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
Paste, lining, extra fine, dms lb. .58 - —
standard, dms ..... lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms ..... lb. .64½- —
rubber comp., dms ..... lb. .45½- —
unpolished, standard, dms .... lb. .44½- —
varnish, standard, dms ..... lb. .49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .24¾- —
Stearate, dibasic, ctns., c.l ..... lb. .38 - —
l.c.l. ..... lb. .39 - —
monobasic, ctns., c.l ..... lb. .38 - —
l.c.l. ..... lb. .39 - —
tribasic, ctns., c.l ..... lb. .43 - —
less than 1 ton ..... lb. .44 - .45
Sulphate, com'l, bgs., c.l., works, equald. 100 lbs. 1.50 - —
l.c.l., same basis ... 100 lbs. 1.90 - —

Aluminum sulphate, iron-free, bgs., c.l., works, frt. equald. 100 lbs. 2.50 - —
l.c.l., works ..... 100 lbs. 2.90 - —
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins ..... oz. 8.50 -12.00
Aminoazotoluene, bbls ..... lb. .85 - —
Aminomethylpropanol, cns., dms., works lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works ..... lb. .52 - —
tanks, works ..... lb. .50 - —
Aminophilline, bots, kgs ..... lb. 8.25 - 8.75
Aminopyrine, bots., dms ..... lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton.75.00 -85.00
pure, cyls., extra ..... lb. .16 - —
refrigeration, tanks, works ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 2.85 - 3.00
l.c.l., works ..... 100 lbs. 3.25 - 3.50
tanks, works, anhyd. basis ton.76.00 - —
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works ..... 100 lbs. 7.40 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works ..... 100 lbs. 5.45 - —
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars ..... lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works ton.220.00 - —
ton lots, works ..... ton.338.50 - —
less ton lots, works ..... ton.343.50 - —
Bicarbonate, dms., works, c.l. lb. .064 - .0975
Bichromate, bbls., works ..... lb. .26 - .30
Bifluoride, dms., dlvd ..... lb. .18 - .18½
Bromide, gran., NF, bbls ..... lb. .36 - .37
dms. ..... lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16½- .17
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, salD. USP, bbls., dms., kgs ..... lb. .20 - .22
Citrate, dibasic, bbls ..... lb. .75 - —
dms. ..... lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms ..... lb. 2.40 - —
Iodide, NF, jars ..... lb. 3.90 - 3.96
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works ..... lb. .42¼- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works ..... lb. .37 - —
dms., works ..... lb. .39 - —
Molybdate, CP, cryst., kgs ..... lb. 1.26 - 1.30
fine cryst., bbls., kgs ..... lb. .84 - .87
purified, dms ..... lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point ton.79.50 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.42.50 - —
Oleate, dms. ..... lb. .30¾- —
Oxalate, fine gran., dms ..... lb. .25 - —
dms., 100 lbs., lots ..... lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton.230.00 - —
ton lots, works ..... ton.248.50 - —
less ton lots, works .... ton.253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs ..... lb. .25 - —
Persulphate, kgs ..... lb. .25½- .26¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works ..... lb. .08½- —
dibasic, NF V, bbls., dms ..... lb. .40 - —
tech., bgs., c.l., works ..... lb. .08 - —
l.c.l., works ..... lb. .08½- —
Salicylate, NF, dms., kgs ..... lb. 1.25 - —
Silicofluoride, bbls., works ..... lb. .11½- .12
Stearate, 28%, dms ..... lb. .21 - .31
paste, dms ..... lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton.45.00 - —
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works ..... lb. .15½- —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works ..... lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys lb. 2.45 - —
commercial, same basis ..... lb. 2.15 - —
Amphetamime hydrochloride, bots lb.45.00 -50.00
Phosphate, bots ..... lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .27 - .28½
l.c.l., dlvd. ..... lb. .28 - .29½
tanks, dlvd. ..... lb. .25½- .27
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .24 - —
l.c.l., same basis ..... lb. .25 - —
tanks, same basis ..... lb. .23 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms ..... lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works ..... lb. .08 - —
tanks, works ..... lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works ..... lb. 1.10 - —
Nitrite, USP, bots ..... lb. 1.75 - 1.83
Salicylate, cns ..... lb. .77 - 1.00
Anethol, com'l, dms., works ..... lb. .50 - —
NF, dms ..... lb. .60 - 1.40
Angelica root, dom., bls. ..... lb. .90 - 1.00
imported, bls. ..... lb. .98 - 1.00
Angostura bark, bls ..... lb. .48 - .50
Anilin oil, dms., c.l., works, frt. alld. lb. .16 - —
l.c.l., works, frt. alld. ... lb. .17 - —
tanks, works, frt. alld. ... lb. .15 - —
Salt, dms., works ..... lb. .26 - —
Anise, Argentine, bgs ..... lb. No stocks.
Chinese, star ..... lb. .17½- .18
Cyprus, bgs ..... lb. .20 - .20¼
Mexican, bgs ..... lb. .19 - .19½
Syrian, bgs. ..... lb. .17¼- .17¾
Anisic aldehyde, bots. ..... lb. 2.50 - 2.75
Annatto paste, bxs ..... lb. .34 - .37
Seed, bgs ..... lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works ..... lb. .81 - 1.00
Anthraquinone, 99.5%, bbls ..... lb. .80 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys ..... lb. .29 - .30
Metal, bulk, c.l., mines ..... lb. .38½- —
Needle, cs ..... lb. No stocks.
Antimony oxide, ceramic grade, bgs., c.l., dlvd lb. .34 - —
l.c.l., dlvd ..... lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works ..... lb. .36¾- .37
Salt, 65%, bgs., c.l., dlvd. E. of Miss. lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works. lb. .26 - —
l.c.l., works ..... lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).

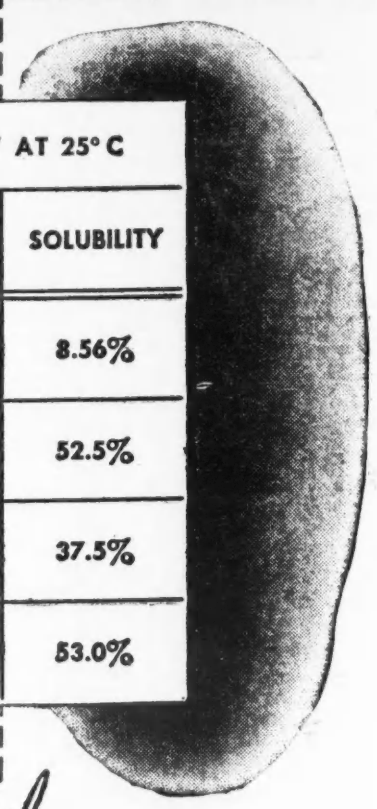
CROTONIC ACID

$CH_3-CH=CH-CO_2H$ WHITE FLAKES. MP 70°-71° C Mol. Wt. 86.09 Purity: 98% Minimum

Crotonic Acid, possessing a system of conjugated double bonds, has been actively investigated as a component in polymeric materials. Several interesting applications have been reported:

1. Lower alkyl esters form useful copolymers with:
   (a) Vinyl esters
   (b) Maleate esters
   (c) Styrene
2. Bodied with linseed oil, Crotonic Acid produces varnish resins
3. Reaction products with amines have wood-sealing properties
4. Crotonic Acid can be incorporated in polyvinyl acetate resins to increase water and acid resistance
5. Esters of polyhydric alcohols make useful modifying resins for varnishes, lacquers, and plastics

SOLUBILITY AT 25° C	
SOLVENT	SOLUBILITY
WATER	8.56%
ETHYL ALCOHOL	52.5%
TOLUENE	37.5%
ACETONE	53.0%



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KINGSPORT, TENNESSEE

Antipyrine, bbls	lb.	2.35	2.45
Apomorphine, bots	oz.	23.20	23.70
Archil extract, bbls	lb.	No stocks.	
Areca nuts, powd., bbls	lb.	.22	.25
Arecoline hydrobromide, bots.	oz.	6.10	6.75
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity)		18.00	18.50
Arnica, flowers, bls	lb.	.50	.90
root, bls	lb.	1.45	—
Arrowroot, powd., bgs	lb.	.13	.16
Arsenic, metal, lump, bbls., prompt shipt	lb.	.75	.90
Sulphide, yellow, bbls	lb.	No stocks.	
Trioxide (see Acid, arsenous).			
White, powd., bbls., c.l., dlvd	lb.	.06	—
l.c.l.	lb.	.07	.08
Asafetida, cs.	lb.	.35	.36
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.).			
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines	ton.	76.50	88.00
5R, bgs., c.l. (20 tons), same basis	ton.	68.50	79.00
6D, bgs., c.l. (30 tons), same basis	ton.	51.00	59.00
7D, bgs., c.l. (30 tons), same basis	ton.	46.50	52.50
7F, bgs., c.l. (30 tons), same basis	ton.	44.00	49.50
7K, bgs., c.l. (30 tons), same basis	ton.	31.00	35.50
7M, bgs., c.l. (30 tons), same basis	ton.	27.50	31.00
7R, bgs., c.l. (30 tons), same basis	ton.	26.50	30.00
7RF, bgs., c.l., same basis	ton.	27.00	31.00
7T, bgs., c.l., same basis	ton.	25.00	28.50
7TF, bgs., c.l., same basis	ton.	27.00	31.00
Asphaltum, cut-back, tanks, tank wagon, refinery	gal.	.09½	—
Emulsion, tanks, tank wagon, refinery	gal.	09½	.10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines	ton.	36.50	—
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines	ton.	29.00	—
jet, bgs., ton lots, gross weight, Colo. mines	ton.	29.00	—
Manjak, No. 10, crude, dms., works	lb.	06½	—
process form, bgs., works	lb.	05¾	12
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery	ton.	23.00	—
80-300 penetration, tanks, tankwagon, refinery	ton.	22.00	—
Atropine, bots.	oz.	13.50	15.00
Sulphate, bots.	oz.	10.35	12.00

B

Balm of Gilead, buds, bgs.	lb.	2.00	2.50
Barbasco root (see Cube root).			
Barberry root bark, bgs.	lb.	.78	.80
Barbital, dms.	lb.	4.50	—
Sodium, dms.	lb.	4.75	—
Barium carbonate, precip., bgs., 10 tons and up, works	ton.	72.50	80.00
smaller lots, works	ton.	82.50	90.00
Chlorate, kgs., works	lb.	25½	.31
Chloride, NF, cryst., dms	lb.	.11	.13
tech., bgs., c.l., works, frt. equald.	ton.	90.00	—
l.c.l., works	ton.	100.00	—
Chromate, bgs., frt. equald	lb.	31½	.32
Dioxide, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.12	—
Fluoride, bbls.	lb.	.21	—
Hydrate, crystals, bgs.	lb.	.09	09½
Hydroxide, anhyd., bbls., works	lb.	.19	—
Iodide, bots.	lb.	5.12	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.11½	—
l.c.l., works	lb.	.13	—
Oxide, grd., dms., works	lb.	.11	—
l.c.l., works	lb.	.11½	—
Peroxide (see Dioxide).			
Silicofluoride, bbls.	lb.	.17	.19
Stearate, ctns., 1-ton up	lb.	.42	—
smaller lots	lb.	.43	—
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls.	lb.	12½	.13
Sulphide, dms., c.l., works	ton.	55.00	—
l.c.l., works	ton.	70.00	—
Baryte ore, approx. 94% $BaSO_4$, bulk, mines	ton.	9.40	12.50
Barytes, water-grd., paper bgs., c.l., St. Louis	ton.	35 05	—
l.c.l., same basis	ton.	36.35	—
ex whse., N. Y.	ton.	49.65	—
Southern off-color, bgs., mines	ton.	19.00	—
95.75%, bgs., mines	ton.	20.00	—
Barberry bark, bgs.	lb.	.12	.13
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls.	lb.	1.15	1.25
Root, bls.	lb.	.55	.60
Bauxite, bulk, mines	ton.	8.50	10.00
Bentonite, 200 mesh, bgs., works	ton.	11.00	—
Benzaldehyde, NF, dms.	lb.	.68	.90
tech., cbys., dms.	lb.	.45	.55
Benzene (see Benzol).			
Hexachloride, tech., 11% gamma bgs., dms., c.l., works	lb.	.30¼	—
l.c.l., works	lb.	.32½	—
dust, dry, 50%, 6% gamma distributors, dms., c.l., dlvd.	lb.	.18	—
l.c.l., dlvd.	lb.	.19	—
wet, 50%, 6% gamma distributors, dms., c.l., dlvd	lb.	.19½	—
l.c.l., dlvd.	lb.	.20½	—
Benzidin base, bbls	lb.	1.02	—
Benzocaine, cns.	lb.	3.50	3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich.	gal.	.21	—
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio.	gal.	.20	—
Benzophenone, dms.	lb.	1.30	1.70
Benzoyl chloride, c.l., cbys	lb.	.20	.28
l.c.l., works	lb.	.22½	—
Peroxide, pure, fib. ctns., works	lb.	.90	1.05
Benzyl acetate, f.f.c., dms.	lb.	.60	1.00
dms.	lb.	.60	.70
Alcohol (see Alcohol, benzyl).			
Benzoate, f.f.c., cns., dms.	lb.	1.00	1.40
Chloride, tech., cbys., c.l., works, frt. equald.	lb.	.19	.21½
l.c.l., same basis	lb.	.20	.22½
Cinnamate, cns.	lb.	3.65	4.00
Formate, cns.	lb.	1.95	3.50
Propionate, bots.	lb.	1.65	2.30
Salicylate, bots.	lb.	1.80	2.25
Benzylidinacetone, bots.	lb.	1.85	2.70
Benzylisoeugenol, bots.	lb.	9.50	—
Berberine bisulphate, cns.	lb.	No stocks	
Hydrochloride, bots.	lb.	No stocks	
Sulphate, cns.	lb.	No stocks	
Berberis root, bls.	lb.	.30	.35
Betagammapicoline, dms., c.l., works.	lb.	.21	.23½
l.c.l., works	lb.	.21½	.24
Betanaphthol, resublimed, dms., works	lb.	.75	—
tech., bbls., c.l., works	lb.	.30	—
l.c.l., works	lb.	.32	—
Benzoate, fib. dms., works	lb.	1.75	—
Salicylate, dms.	lb.	5.00	—
Betanaphthylamine, tech., bbls., works	lb.	.75	.80
Betaphenylethylamine, dms., works, 1,000 lb. lots	lb.	1.45	—
smaller lots	lb.	1.60	—
Betapicolin, 90%-95%, dms., c.l., works	lb.	1.35	—
98%, dms., c.l., works	lb.	1.85	—
Beth root, bls.	lb	45	.50
Biotin, cryst.	gram.	12.50	—
Bismuth chloride, jars	lb.	3.95	—
Citrate, USP VIII, jars	lb.	3.27	—
Hydroxide, dms	lb.	4.18	—
Metal, bxs., ton lots	lb.	2.00	—
Nitrate, cryst., dms	lb.	1.85	—
Oxychloride, dms	lb.	3.97	—
Oxide, anhydrous, dms	lb.	4.60	—
Phenolsulphonate, fib. dms	lb.	4.70	—
Subcarbonate, USP, dms	lb.	2.80	—
Subgallate, NF, fib. dms	lb.	2.75	—
Subiodide, fib. dms.	lb.	4.90	—
Subnitrate, USP, dms	lb.	2.20	—
Subsalicylate, USP, dms	lb.	3.20	—
Bismuth-ammonium citrate, USP, powd., dms	lb.	3.80	—
Black, acetylene, bgs., c.l., works	lb.	13½	—
cs., l.c.l. shipt. point	lb.	17	19
Bone, bgs., bbls., l.c.l., dlvd	lb.	14¾	22¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Black, carbon, channel, beads, bulk, c.l., works	lb.	.07	—
bgs., c.l., works	lb.	.07½	—
l.c.l., dlvd. or whse.	lb.	.11¼	.117
uncompressed, regular, bgs., c.l., works	lb.	0632	—
bgs., ctns., l.c.l., dlvd. or whse	lb.	13¾	—
furnace, fast extruding, bgs., c.l., works	lb.	05½	—
ctns., l.c.l., whse	lb.	09½	—
high modulus, bgs., c.l., works,	lb.	05	—
ctns., l.c.l., whse	lb.	09	—
semi-reinforcing, bgs., c.l., works	lb.	03½	—
ctns., l.c.l., whse	lb.	07½	—
very fine, bgs., c.l., works	lb.	0732	—
l.c.l., dlvd. or whse	lb.	.1125	.1170
Charcoal (see C).			
Graphite (see G).			
Iron oxide, synthetic, bgs., c.l., works	lb.	.10¾	—
l.c.l., works	lb.	11	—
Lamp, bgs., c.l., works	lb.	07	.30
Mineral, bgs., works	lb.	.0160	0675
Black ash (see Barium sulphide).			
Blackberry root, bls.	lb.	12	13
bark of root, bls.	lb.	32	33
Black dyes (see Dyes).			
Black haw, root bark, bls.	lb.	78	82
Tree bark, bls	lb.	28	30
Black Indian hemp root, bls	lb.	48	52
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	77.50	—
l.c.l., works	ton.	85.00	—

Antipyrine—Blue, Cobalt

Blanc fixe, dry, direct process, bgs., c.l., works	ton.	85.00	—
l.c.l., works	ton.	90.00	—
N. Y. whse.	ton.	103.00	—
bbls., c.l., works	ton.	90.00	—
l.c.l., works	ton.	95.00	—
N. Y. whse.	ton.	113.00	—
pulp, 66⅔%, bbls., c.l., works.	ton.	67.00	—
l.c.l., same basis	ton.	73.00	—
Bleaching powder, dms., c.l., works,	100 lbs.	4.25	—
l.c.l., works	100 lbs.	4.75	—
Blood, dried, 16-16½% ammo., bgs	unit-ton.	10.00	—
high-grade, unground, 16-17% ammon, bulk, Chicago,	unit-ton.	9.50	—
soluble, bgs., c.l.	lb.	.17	.19
l.c.l.,	lb	.18	.25
Bloodroot, bls.	lb.	.58	.67
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.90	—
Toner, bbls., litho flushed, same basis	lb.	1.10	—
Celestial, bbls., same basis	lb.	.15	.16
Chinese, bbls., same basis	lb.	.45	—
Cobalt, genuine, bbls., same basis	lb.	4.90	—
Imitation (see Blue, ultramarine).			

TYPE "N" ANTI-FREEZE

METHANOL, Pure Synthetic

ANILIN OIL

CAFFEINE CITRATED, U.S.P.

BENZIDINE BASE

MAGNESIUM OXIDE Heavy

RESORCIN, U.S.P. Recrystallized

POTASSIUM PERMANGANATE U.S.P.

FORMALDEHYDE U.S.P.

FORMIC ACID 90%

BLEACHING POWDER 70%

DIMETHYLANILIN

TRICHLORETHYLENE

PARA-AMINOPHENOL

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GOLWYNNE
CHEMICALS CORPORATION

Blue, Copper-phthalocyanine—Calcium Pantothenate

Blue, copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. 60 79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda CP, bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 —
Tungstic, kgs., same basis lb. 2.60 - 2.70

Blue dry colors, dlvd. prices 1c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .55 - .60
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .08 - .09
Bone, raw, bulk, Chicago ton.76.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work. ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.60.00 - —
Chicago, works ton.60.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 .16
Borage flowers, bls. lb .45 .50
Borax, tech., 99½%, crvst., paper bgs., c.l., works, frt. split ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.97.50 - —
less ton lots, same basis ton.102.50 - —
bbls., c.l., works, frt. split ton.94.50 - —
ton lots, ex whse., N. Y. or Chi ton.117.50 —
less ton lots, same basis ton.122.50 - —
Borax, tech., 99½%, fine, gran., bulk, frt. split, works ton.44.50 -47.50
paper bgs., c.l., works, frt. split ton.48.50 - —
ton lots, ex whse., N. Y. or Chi ton.71.50 - —
less ton lots, same basis. ton.76.50 - —
bbls., c.l., works, frt. split ton.68.50 - —
ton lots, ex wnse., N. Y. or Chi ton.91.50 - —
less ton lots, same basis. ton.96.50 - —
powdered, paper bgs., c.l., works, frt. split ton.53.50 - —
ton lots, ex whse., N. Y or Chi ton.76.50 - —
less ton lots, same basis. ton.81.50 - —
bbls., c.l., works, frt. split ton.73.50 - —
ton lots, ex whse., N. Y. or Chi ton.96.50 - —
less ton lots, same basis. ton.101.50 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. 21 - —
1,000 lbs., same basis lb. 23 - —
single pkgs., same basis lb. 28 - —
dms., lead-lined, c.l., dlvd lb. .19 —
Bromoform, USP, bots. lb. 1.50 - 1.70
cbys. lb. 1.42 - —
Bromstyrol, bots lb. 4.85 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 .60
moulding, cans, dms., works lb. .80 1.00
printing ink, cans, dms., works lb. .95 1.10
radiator, cans, dms., works lb. .60 .65
Broomtop, bls. lb. .25 .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½ —
Oxide, metallic, bgs., works lb. 03 .03¼
Sap, crystals, works lb. 12 —
powdered lb. .13 —
Sienna, burnt, paper bags., c.l., works lb. .03¾ .14¾
l.c.l., works lb. .04 15
raw, paper bgs., c.l., works lb. 04 12½
l.c.l., works lb. .04¼ 12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ .05¾
l.c.l., bgs., works lb. 05 06¾
Turkey type, bgs., c.l., Boston, Bethlenem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ .07¾
l.c.l., works lb. .06 03
raw, American, bgs., same basis lb. .03¾ 06
Turkey type, bgs., same basis lb. 06 06¼
Vandyke, bbls., works lb. .09¾ 12
Bruceine, cns., 100 ozs oz. .40 .50
Sulphate, cns., 100 ozs oz. .30 40
Bryonia root, bls lb. .35 36
Buchu leaves, bls. lb. .85 .90
Buckthorn bark, bls lb. .23 .24
cut and sifted, bls lb. .26 .28
Berries, bgs lb. .85 1.00
Burdock, root, bls. lb. .23 25
Butadiene, cyls., refy lb. .19 —
tanks, same basis lb. .11½ —
Butane, indust., tanks, group 3 gal. 06 —
Butyl acetate, normal, ferment, Ill., Ind., prod., cns., c.l., works, frt. alld. E. of Miss lb. .19 —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17½ - —
tankwagons, same basis lb. .18 —
other production, dms., c.l., same basis lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
tanks, same basis lb. .17½ - .18
synthetic, normal, dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17½ - —
secondary dms., c.l., dlvd. E. of Miss lb. .14½ - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —

Normal butyl acetate W. of Miss., 1c. per lb. higher

Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .20½ - —
l.c.l., works lb. .21½ - —
tanks, works lb. .19½ - —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50-50, cns., works lb. .60 —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .45½ - —
l.c.l., same basis lb. .46½ - —
tanks, same basis lb. 44 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .65 - —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .43½ - —
l.c.l., same basis lb. .44½ - —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars lb. 2.10 - 2.15
Iodide, jars lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb. 2.00 - —
patent shapes, cs., dlvd lb. 2.10 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more lb. 4.75 - 8.00
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Citrated, dms., 100 lbs. or more lb. 3.00 - —
Hydrobromide, bots. lb. 6.50 - —
Calabar beans, bgs., futures lb. .65 - .66
Calamus root, dom., bgs. lb. .28 - .30
imported, bleached, bls lb. .70 - .88
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 - —
1,000 to 10,000 s.u., works gram. 4.40 - —
less than 1,000 s.u., works gram. 4.80 - —
in edible oil, dms., 10,000 or more. .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. lb. .10½ - —
l.c.l., same basis lb. .11½ - —
Bromide, NF, jars lb. .75 - .85
Carbide, dms., c.l., works ton.114.00 -147.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars. lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald. ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tank-cars ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies, lb. .30 - .50
Gluconate, AA, bbls. lb. .65 - .72
cns. lb. .83 - .90
USP, bbls. lb. .58 - .65
cns. lb. .76 - .83
Hydride, dms., works lb. .90 - —
Glycerophosphate, NF, 5lb. dms. lb. 1.65 - 1.80
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -26.50
cans, cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .50 - .53
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Laurate, bbls lb. .43 - .44
Mandelate, USP, dms., works lb. 1.85 - 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld. lb. .23¾ - .24¼
Pantothenate, dextro, jars gram. .07½ - —

those who know..

choose FILTROL adsorbents for purity and unexcelled decolorizing power

"Special" Filtrol* is a scientifically prepared, scrupulously clean, decolorizing adsorbent ideal for edible oil manufacture. The use of "Special" Filtrol gives the refiner lowest oil loss in the press cake because of superior decolorizing power. Since less Filtrol is required, there are additional savings in labor—storage space—handling costs—and freight costs. This is why "those who know" continue to specify "Special" Filtrol for processing Fatty Oils.

*Reg. U. S. Pat. Off.

Send for free literature on Filtrol Pilot Plant and applications of "Special" Filtrol for all types of fats and oils.

FILTROL CORPORATION

General Offices: 634 South Spring Street, Los Angeles 14, California
Plants at Vernon, California and Jackson, Mississippi.

SPECIAL Filtrol

PRODUCT OF RESEARCH AND DEVELOPMENT

Filtrol products are available throughout the world

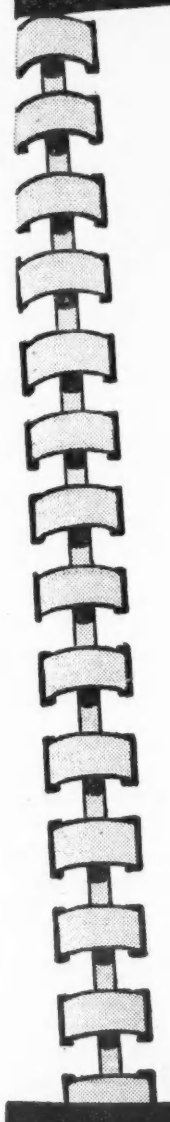
Calcium phosphate, dibasic, USP, bgs., c.l.	100 lbs.	6.75	—
l.c.l.	100 lbs.	7.10	7.45
feeding grade, bgs., works	ton.	105.00	125.00
food grade, bbls., 10 or over, works	lb.	.07	.07¼
less than 10, works	lb.	.08	.10
monobasic, bgs., 10,000 lbs., works, frt. equald	lb.	.05¾	—
less, same basis	lb.	.06¼	—
tribasic, bgs., c.l., works	100 lbs.	6.60	—
bgs., l.c.l., works	100 lbs.	6.95	7.30
Phytate, bgs., works	lb.	.22	—
Resinate, precip., dms., frt. alld. works	lb.	.24	—
Silicate, hydrated, bgs., c.l., works,	lb.	.05½	—
l.c.l., works	lb.	.06	—
Stearate, precip., ctns., c.l., works,	lb.	.39	—
l.c.l., works	lb.	.40	.41
Sulphate (see Gypsum).			
Sulphide, 76%, bgs., c.l., works	ton.	45.00	—
70%, bgs., c.l., works	ton.	50.00	—
luminous tins, works	lb.	1.25	—
Sulphocarbolate, bbls., dms.	lb.	.59	.60
Calcium-strontium sulphide, phosphorescent, dms., works	lb.	1.06	1.50
fine particle size, works	lb.	1.30	1.75
Calendula flowers, bls	lb.	.50	.85
Calomel, USP, cryst., dms	lb.	1.82	1.83
fine powd., dms	lb.	1.97	1.98
Camphor, monobromated, dms., kgs.	lb	3.10	3.20
Camphor, natural	lb	No stocks.	
synth., tech., bbls., 2,000 lbs. or more, works	lb.	.42	—
10 bbls. (1,500 lbs.)	lb.	.44½	—
smaller lots	lb.	.43	.53
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.66	—
1,000-lb. lots	lb.	.67	—
smaller lots	lb.	.68	—
tablets, tins, 2,000-lb. lots	lb.	.83	—
1,000-lb. lots	lb.	.84	—
smaller lots	lb.	.85	—
Canada balsam (see Fir balsam).			
Cantharides, Chinese, cs	lb.	1.25	1.30
powd., bxs	lb.	1.40	1.50
Russian, bgs.	lb	5.00	5.25
powd., bxs.	lb.	5.75	6.00
Capsicum (see Pepper, red).			
Oleoresin, NF VIII, cns	lb.	6.50	6.75
Caramel coloring, bbls	gal.	1.05	—
Caraway seed, Danish, bgs., afloat.	lb.	.19½	.20
Dutch, bgs	lb.	.20	.20½
Carbazole, 97%, steel dms., ton lots, works	lb.	1.75	—
fib. dms., same basis	lb.	1.70	—
Carbinol butyl, normal (see Alcohol, amyl, refined)			
secondary, dms., l.c.l., works	lb.	.70	—
Methylisobutyl, dms., c.l., frt. alld. E	lb.	.14½	—
l.c.l., same basis	lb.	.15	—
tanks, same basis	lb.	.13	—
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points	lb.	.05¾	—
l.c.l., same basis	lb.	.06¼	—
5-gal. dms., c.l., same basis	lb.	.07¼	—
l.c.l., same basis	lb.	.08¼	—
Dioxide, cyls	lb.	.06	.08
Tetrachloride, CP, dms., works	lb.	.08½	.11
tech., dms., E. of Rockies, c.l., frt. alld	lb.	.07½	—
W. of Rockies, c.l., frt. alld.	lb.	.08	—
l.c.l., frt. alld.	lb.	.08	—
USP, cbys	lb	.17	.19
Carboxymethylcellulose-Sodium—See CMC.			
Cardamom fruit, bleached, bold, cs.,	lb.	2.40	2.50
medium, cs.	lb.	2.10	2.65
decorticated, Guatemalan, cs	lb.	1.92	1.93
Indian, cs. futures	lb.	2.00	Nom.
green, Alleppey, bgs., futures	lb.	1.74	1.76
Seed (See Cardamom fruit, decorticated).			
Carmine, No. 40, NF, bulk, 100 lbs. or more	lb.	5.50	—
smaller lots	lb.	5.65	6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg.		5.00	—
90% beta-10% alpha, ampuls 100 mg.		2.00	—
bulk grain quantities	gm.	5.00	—
technical, 1,350,000 A units per gram	gm.	.67½	—
tins, works	gm.	.62	—
dry powder, 3,330 A units per gram	lb.	.70	—
emulsion (in milk), 500,000 A units per 16-oz. cn., cn.		.85	—
in vegetable oil, 250,000 A units per gram	lb.	37.80	—
50,000 A units per gram	lb.	7.87	—
26,000 A units per gram, 3,330 A units per gram	lb.	.85	—
microcrystalline, in oil, 400,000 A units per gram, tins, works	milli. units.	.50	—
tins, works	milli. units.	.32	—
dms., works	milli. units.	.30	—
Carvol, bots	lb.	9.50	16.00
Cascara sagrada bark, bulk	lb.	.37	.40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd.	lb	.09¾	—
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	.30	—
rennet-precip., 10,000 lbs. or more, same basis	lb.	.34	Nom.
imported, acid-precip., ground, bgs., or more	lb.	.25½	.27
rennet-precip., unground, 100 or more	lb.	.30	Nom.
Cassia bark, Batavia, No. 1	lb.	.45	.46
broken, bis.	lb.	.34	Nom.
shortstick, bls.	lb.	.26	Nom.
China, buds	lb.	.35½	.36
rolls, select, cs.	lb.	.11½	.12
broken, bls.	lb.	.10½	.11
Kwangsi, rolls, bls.	lb.	.12	.12½
Saigon, broken, bls.	lb.	.26	.27
medium, bls.	lb.	.35	.35½
thin, bls.	lb.	.41	.41¾
Yunnan, bls.	lb.	.20	.21
Buds, China, bgs	lb.	.32	.33
Cassia fistula, bskts.	lb.	.30	.35
Castor beans, bgs., Nov. ship't, Brazilian ports	long ton.	125.00	Nom.
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	27.50	—
Castoreum, nat., cns	lb.	12.00	45.00
synthetic, cns	lb.	22.00	—
Catechol, CP, cryst., fib. dms., works,	lb.	2.00	—
resublimed, dms., works	lb.	4.00	—
Catnep, bls.	lb.	.55	.60
Celery seed, French, bgs.	lb.	.26	.25½
Indian, bgs.	lb.	.20	.20¼
futures, bgs.	lb.	.19½	.20
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.36	—
granules, ctns., same basis	lb.	.42	—
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld.	lb.	.47	—
l.c.l., same basis	lb.	.49	.51
regular black, dms., l.c.l., same basis	lb.	.35	.39
variegations, dms., l.c.l., same basis	lb.	.54	.59
Cellulose butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works	lb.	.52	—
less than 500 lbs., works,	lb.	.53	—
17.5% butyryl content, ctns., 500 lbs. and over, works	lb.	.49	—
less than 500 lbs., works,	lb.	.50	—
26.5% butyryl content, ctns., 500 lbs. and over, works	lb.	.53	—
less than 500 lbs., works	lb.	.54	—
gran., 37% butyryl content, ctns., 500 lbs. and over, works	lb.	.51	.57
less than 500 lbs., works	lb.	.52	.58
48% butyryl content, ctns., 500 lbs. and over, works	lb.	.57	—
less than 500 lbs., works	lb.	.58	—
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld	lb.	.56	.61
regular black, dms., l.c.l., same basis	lb.	.47	.51
variegations, dms., l.c.l., same basis	lb.	.61	.66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.40	—
Cerium hydrate, dms., works	lb.	1.25	—
Oxalate, NF, bbls., bgs., works	lb.	.70	.72
Oxide, optical grade, bgs., under 100 lbs., works	lb.	2.25	—
kgs., 100 lb. lots, works	lb.	1.75	—
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works	lb.	.02¾	.05½
l.c.l., ex whse	lb.	.04	—
paint, bgs., c.l., works	ton.	40.00	—
papermakers, bgs., c.l., works.	ton.	32.50	40.00
rubber makers, bgs., c.l., works	ton.	30.00	—
Chamomile flowers, Hungarian, cs	lb.	.46	.50
Roman, bls.	lb.	1.10	1.50
Charcoal, hardwood, briquets, bulk, c.l., works	ton.	49.50	—
bgs., c.l., works	ton.	54.50	53.50
granular, bgs., incl., c.l., works.	ton.	50.50	—
lump, bulk, c.l., works	ton.	39.50	43.50
bgs., extra, returnable, c.l., works	ton.	42.50	45.50
screenings, bgs., works	ton.	33.50	—
Pinewood, gran., powd., bgs., c.l., works, South	ton.	40.00	—
l.c.l., works.	ton.	50.00	60.00
lump, bgs., c.l., works, South	ton.	35.00	—
Willow, powd., bbls	lb.	.06	.07
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0465	—
l.c.l., works	lb.	.0495	—
tanks	lb.	.0390	—
powd., 65% tannin, bgs., extra, c.l., works	lb.	.1105	—
l.c.l., works	lb.	.1170	.1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works	ton.	12.50	13.00
l.c.l., works	ton.	13.50	14.00
bulk, c.l., works	ton.	9.50	10.00
99% 200 mesh, bgs., c.l., works	ton.	10.00	12.00
l.c.l., works	ton.	11.00	16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton.	13.00	—
paper bgs., c.l., works.	ton.	13.00	—
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net	ton.	16.00	35.00
powd., bgs., c.l., ex dock	ton.	45.00	—
l.c.l., ex whse	ton.	50.00	55.00

Calcium Phosphate—Chromium Cake

Chloral, dms., works	lb.	.45	.50
Hydrate, jars	lb.	.90	.93
Chlordane, agricultural, dms., l.c.l. stock points	lb.	1.05	2.00
refined, dms., stock points	lb.	1.20	2.15
Chlorinated rubber, standard, ctns., c.l., works	lb.	.42	—
l.c.l., works	lb.	.43	—
Chlorine, liquid, cyls., c.l., works	lb.	.07	.12
l.c.l., stock points	lb.	.09	.19
tanks, single units, works, frt. equald	100 lbs.	2.40	—
multiple units, 3 cars, works, frt. equald	100 lbs.	2.70	—
2 cars, same basis	100 lbs.	3.30	—
1 car, same basis	100 lbs.	3.90	—
Chloroform, tech., dms	lb	.20	.23
USP, dms.	lb.	.30	.33
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	—
Chloropicrin, com'l. bots	lb	1.35	—
cyls., 180-lbs., frt. alld	lb.	.85	—
100-lbs., same basis	lb.	.87	—
25-lbs., same basis	lb.	1.12	—
Cholesterol, USP, fib. dms., 100-lb lots	lb.	8.50	—
5-lb. pkg.	lb.	9.00	—
1-lb. pkg.	lb.	9.50	—
Choline chloride, fib. dms., works	lb.	3.00	3.10
feed grade, fib. dms., works	lb.	2.20	—
Dihydrogen citrate, fib. dms., works.	lb.	3.00	3.10
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks	
solut., 7½%, bbls., cs.	lb.	.09¼	—
8½%, bbls., cs.	lb.	No stocks	
Cake, bulk, c.l., works	ton.	16.00	—

A page from the Stauffer Catalog

NUMBER ONE IN A SERIES



RUBBERMAKERS SULPHURS

Stauffer manufactures a complete line of rubbermakers' sulphurs carefully prepared to meet the exacting specifications of the rubber industry. Stauffer's Tire Brand, Tube Brand, Crystex Insoluble Sulphur and Dispersed Sulphur 70% all serve specific needs of the rubber manufacturer.

Tire Brand ..... Of commercial purity and available in several different finenesses to meet varying specifications.
TIRE Brand Sulphur prepared to our "Code 21-4" fineness standard is a typical general purpose grade meeting the following specifications:

Purity—not less than 99.5%
Fineness—100% passing No. 80 U.S.S. Sieve
Not less than 99.5% passing No. 100 U.S.S. Sieve
Between 90 and 95% passing No. 200 U.S.S. Sieve
Acidity, as H_2SO_4, not more than 0.01%
Ash, not more than 0.10%
Heating loss (moisture), not more than 0.15%

TIRE Sulphur Code "52-AF"—Prepared for easier dispersion; especially useful in rubber/sulphur master-batches. This grade is dustless. Referred to as "oil-treated".
Sulphur content—Not less than 99.5%
Fineness—100% passing No. 80 U.S.S. Sieve
90-95% passing No. 200 U.S.S. Sieve

TIRE Sulphur Code "21-12 MC"—Conditioned, extra fine sulphur for special purpose stocks that require a free-flowing fine sulphur for better dispersion
Sulphur content—Not less than 97.5%
Conditioner—Magnesium Carbonate—not more than 2 to 2.5%

Fineness—98% passing No. 325 U.S.S. Sieve
Other fineness grades are regularly supplied to meet specific requirements.

Packages: Paper bags (Multiwall)—50 lbs. net.

USE: Practically all compounds of natural and synthetic rubber.

Tube Brand ..... This is of refined sulphur purity to meet some special or more exacting requirements. Fineness grades like those of TIRE BRAND are available. The vulcanizing properties are essentially the same as those of TIRE BRAND.

Packages: Paper bags (Multiwall)—50 lbs. net.
Barrels (paper lined)—240 lbs. net.

USES: Same as TIRE BRAND.

STAUFFER PRODUCTS

DDT—(Dichloro-Diphenyl-Trichloroethane)
BHC—(Benzene Hexachloride)
*Toxaphene—(Chlorinated Camphene)
Boric Acid
Cream of Tartar
Tartaric Acid
Citric Acid
Titanium Trichloride
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chloride
Silicon Tetrachloride
Sulphur
Sulphur Chloride
Textile Stripper
Sulphuric Acid
Sodium Hydrosulphide

*Reg. T. M. Hercules Powder Co.

Stauffer CHEMICALS SINCE 1885

STAUFFER CHEMICAL CO.

420 Lexington Avenue, New York 17, N.Y. · 221 North LaSalle Street, Chicago 1, Illinois
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Chromium Fluoride—Dyes, Coaltar, for Stains

Chromium fluoride, bbls., works lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls. lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .45 - .50
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, N.F., heavy, dms., works, lb. 4.20 - 4.30
standard, dms., works lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .75 - 1.25
Cinnamon, Ceylong, No. 2, bls lb. .27 - .28
Citral, bots., cns. lb. 3.75 - 5.00
Citronellal, bots., dms. lb. 2.75 - 7.75
Citronellol, bots., dms. lb. 3.25 - 4.75
Clove, Madagascar, bls. lb. 12¾- .13¼
futures, bls. lb. .15 - .15½
Zanzibar, bls. lb. .18½- .19
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
CMC, high vis., ctns., 2,000 lbs., works, frt. alld lb. .66 - —
smaller lots, same basis lb. .70 - —
low and medium vis., ctns., 2,000 lbs., works, frt. alld lb. .62 - —
smaller lots, same basis lb. .66 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., works, gal. .24½- —
l.c.l., works gal. .26 - —
tanks, works gal. .14½- —
refd., bbls., c.l., works gal. .25½- —
l.c.l., works gal. .27 - —
tanks, works gal. .15½- —
Cobalt acetate, bbls., dlvd. lb. .90 - —
Carbonate, powd., bgs., works lb. 1.58 - —
feed grade, 49½% Co, kgs lb. 1.58 - —
Chloride, kgs., works lb. .87½- —
feed grade, 24.5% Co, kgs lb. 1.23 - —
Hydrate, bbls lb. 2.04 - —
feed grade, 62% Co, kgs lb. 2.04 - —
Linoleate, paste, 6% Co, dms lb. .56 - —
solid, 8½% Co, dms lb. .65 - —
8% Co, dms lb. .61¼- —
Naphthente, liq., 6% Co, dms., frt. alld lb. .37¼- .37¾
Nitrate, feed grade, 20.4% Co, bbls lb. .75½- —
Oxide, black, kgs lb. 1.27½- 1.80
Phosphate, feed grade, 34% Co, kgs lb. 1.26½- —
Resinate, precip., 7.5% Co, dms lb. .38½- —
Sulphate, dms lb. .65 - —
feed grade, 21% Co, kgs lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve., or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs lb. 75 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs. lb. .21 - .22
Cocoa butter, bgs lb. .89 - .90
Codeine, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, cns., 100 ozs oz. 10.25 - —
Sulphate, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .22 - .24
Blue, root, bls lb. .18 - .19
Colchicine, bots., cns oz. 145.00 - 160.00
Colchicum seed, bgs., futures lb. 3.00 - 3.25
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls. lb. .45 - .47
Colombo root, bls lb. .18 - .19
Coltsfoot leaves, bgs lb. .40 - .45
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 52-54%, bbls lb. .25¼- .26¼
Chloride, anhyd., bbls lb. .29 - —
crystals, bbls lb. .20 - .20¾
Cyanide, tech., bbls — lb. .46 - —
Hydrate, dms., dlvd. E. Miss lb. .27½- .28
Metal, electrolytic lb. .23¼- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- .23¼
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾- —
12.5% Cu, bbls lb. .44½- —
Oxide, black, bbls., works lb. .30½- .32½
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 9.10 - —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 13.50 - —
tribasic, dealers, bgs., works, c.l. lb. .22¾- —
l.c.l., works lb. .23¾- .24¼
Copperas, cryst., gran., bgs., c.l., works ton. 17.60 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.64 - —
Copra, c.l.f., Pacific ports ton. 252.50 - —
Atlantic or Gulf ports ton. 257.50 - —
Coriander seed, Argentine, bgs., futures lb. .05½- .06
Italian, bgs lb. .05½- .06
Moroccan, bgs lb. .06½- .07
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.59 - —
bbls., c.l., same basis 100 lbs. 5.64 - —
Syrup, 42°, bbls., c.l. 100 lbs. 5.95 - —
l.c.l. 100 lbs. 6.10 - —
Cornsilk, bls. lb. .17 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S.E. ton. 66.00 - —
Coumarin, cns., 25 lbs. lb. 3.00 - 3.10
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .80 - .85
Cranesbill root, bls lb. .30 - .31
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .32½- —
smaller lots lb. .33 - .34
imported, kgs. lb. .30½- .30¾
Creosote, beachwood, bots., cbys lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19½
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .32
Creosote carbonate, bots., cbys lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .19¼- .19¼
tanks, same basis lb. .18¼- .18½
USP, dms., c.l., same basis lb. .18¾- .19¼
l.c.l., same basis lb. .19¼- .19¾
tanks, same basis lb. .18¼- .18½
Crotonaldehyde, 91-93%, dms., 55 and 110 gals., l.c.l., works lb. .16½- .26
5 and 10 gals., l.c.l., works lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 - 14.75
Cube root, powd., 5% rotenone, bbls., works lb. .31 - .33
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs. lb. .50 - .55
powd., cs. lb. .60 - .65
Culvers root, bbls lb. .60 - .70
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Cyprian, bgs lb. No stocks
Indian, bgs., futures lb. .40 - .41
Italian, bgs lb. .08½- .09
Moroccan, bgs lb. No stocks.
Persian, bgs. lb. .18¾- .19¼
Syrian, bgs. lb. .17¼- .17¾
Cutch, extract, 55% tannin, bgs., ex dock lb. .09½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton 2.85 - —
pulv., 21% N., bgs., same basis unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, cyls., dlvd gal. .27 - —

D

Damiana leaves, bls lb. .45 - .50
Dandelion root, bls. lb. .45 - .50
DDT, fiber dms., c.l., works lb. .32 - —
smaller lots, works lb. .33 - .34
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 41.65 - 52.50
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .16 - .18
over 2% ffa., bbls lb. .15 - .17
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, corn, British gum, bgs., c.l., Chicago 100 lbs. 7.09 - —
100 lbs. 6.50 - —
l.c.l. 100 lbs. 7.24 - —
Canary, bgs., c.l. 100 lbs. 6.83 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 6.98 - —
dark, bgs., c.l. 100 lbs. 6.93 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.08 - —
white, bgs., c.l. 100 lbs. 6.68 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.83 - —
Potato, dom., bgs lb. .10½- .11½
Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.20 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 52.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast. ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .70¼- —
l.c.l., works lb. .70¾- —
tanks, works lb. .68¾- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .58¼- —
l.c.l., works lb. .58¾- —
tanks, works lb. .56¾- —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .38½
l.c.l., dlvd lb. .34½- .39
tanks, dlvd lb. .32 - .37
Sebacate, dms., c.l., works lb. .58 - —
l.c.l., works lb. .58½- —
tanks, works lb. .56½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .52½- —
l.c.l., frt. alld lb. .53½- —
tanks, frt. alld lb. .50 - —
Dicapryl sebacate, dms., c.l., works. lb. .58½- —
l.c.l., works lb. .59 - —
tanks, works lb. .57 - —
Dichloroanilin, dms., works lb. .75 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works lb. .42½- —
ton lots, works lb. .45 - —
tins, small lots, works lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicoumarol bots, works lb. 18.00 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., frt. alld. E lb. .26 - —
l.c.l., same basis lb. .27 - —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., l.c.l. lb. .46½- —
Maleate, dms., c.l., dlvd. lb. .62½- —
l.c.l., dlvd. lb. .61½- —
tanks, dlvd. lb. .60 - —
Oxalate, dms., c.l. lb. .35½- —
l.c.l. lb. .36½- —
tanks lb. .34 - —
Diethyl phthalate, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34 - —
tanks, dlvd. lb. .32 - —
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17 - .17½
l.c.l., same basis lb. .18 - .18½
tanks, same basis lb. .15½- .16
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, bots kilo. 300.00 - 330.00
Digitalin, cryst., bots gram. 15.00 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis leaves, dms. lb. .85 - 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l. lb. .33 - —
Stearate, bbls., c.l. lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .44¾- —
Dihydrostreptomycin, hydrochloride and sulphate, hospitals, gram. 1.60 - —
wholesalers gram. 1.28 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Dillseed, decorticated, bgs lb. .16 Nom.
dewhiskered, bgs. lb. .10½- .11
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .73 - —
l.c.l., works lb. .73½- —
tanks, works lb. .71½- —
Sulphate, ret. 55-gal. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
ret. 10-gal. dms., works lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½- .48½
25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l lb. .21 - .25¾
l.c.l. lb. .25 - .26¼
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .44½- —
l.c.l., frt. alld lb. .45½- —
tanks, frt. alld lb. .43 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .55
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .35 - —
smaller lots lb. .40 - —
Dipropylene - glycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 64.00 - 66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.50 - 1.55
reeds, cs. lb. 2.50 - 2.75
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns lb. 15.75 -16.30
No. 2, cns lb. 15.75 -16.30
Green, FD&C, No. 1, cns lb. 15.75 -16.30
No. 2, cns lb. 20.55 -21.15
No. 3, cns lb. 32.65 -33.25
Orange, FD&C, No. 1, cns lb. 3.40 - 3.50
No. 2, cns lb. 4.30 - 4.40
Red, FD&C, No. 1, cns lb. 7.00 - 7.25
No. 2, cns lb. 3.70 - 3.80
No. 3, cns lb. 20.55 -21.15
No. 4, cns lb. 6.65 - 6.95
No. 32, cns lb. 4.90 - 5.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Yellow, FD&C, No. 1, cns lb. 9.70 -10.25
No. 3, cns lb. 3.10 - 3.15
No. 4, cns lb. 3.10 - 3.15
No. 5, cns lb. 3.70 - 3.90
No. 6, cns lb. 3.70 - 3.90
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns lb. 10.10 - —
Blue, D&C, No. 4, cns lb. 13.35 - —
Brown, D&C, No. 1, cns lb. 14.90 - —
Green, D&C, No. 5, cns lb. 14.90 - —
No. 6, cns lb. 14.90 - —
No. 7, cns lb. 13.70 - —
Orange, D&C, No. 3, cns lb. 10.10 - —
No. 4, cns lb. 13.35 - —
No. 5, cns lb. 5.25 - —
No. 10, cns lb. 19.15 - —
Red, D&C, No. 8, cns lb. 3.45 - —
No. 9, cns lb. 3.45 - —
No. 10, cns lb. 2.75 - —
No. 11, cns lb. 2.65 - —
No. 12, cns lb. 2.75 - —
No. 17, cns lb. 10.10 - —
No. 18, cns lb. 22.20 - —
No. 21, cns lb. 4.35 - —
No. 22, cns lb. 10.10 - —
No. 28, cns lb. 22.30 - —
No. 33, cns lb. 16.15 - —
Violet D&C, No. 1, cns lb. 13.35 - —
No. 2, cns lb. 14.90 - —
Yellow, D&C, No. 7, cns lb. 10.10 - —
No. 8, cns lb. 10.10 - —
No. 10, cns lb. 12.50 - —
No. 11, cns lb. 12.50 - —
No. 22, cns lb. 9.15 - —
No. 33, cns lb. 14.65 - —
No. 37, cns lb. 13.35 - —
Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns lb. 14.90 - —
Red, Ext. D&C, No. 1, cns lb. 12.50 - —
No. 3, cns lb. 26.10 - —
Yellow, Ext. D&C, No. 1, cns lb. 10.10 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
20 Chrysodine G lb. .53 - .55
27 Orange G lb. .64 - .67
31 Amido naphthol red G lb. .53 - .56
36 Alizarine yellow 2G lb. .74 - .76
40 Alizarine yellow R lb. .87 - .91
57 Amido naphthol red 6B lb. .87 - .91
79 Ponceau R lb. .61 - .64
151 Orange II lb. .39 - .41
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .75 - .78
179 Azo rubine lb. .35 - .38
180 Diamond blue 3B lb. .53 - .58
185 Cochineal red A lb. .77 - .80
202 Chrome blue black R lb. .51 - .53
203 Chrome black T lb. .59 - .62
205 Sulphon acid blue R lb. .75 - .80
216 Acid alizarin red B lb. .69 - .72
234 Resorcin brown lb. .74 - .77
246 Naphthol blue black lb. .64 - .67
273 Benzo fast red SBL lb. 2.66 - 2.73
289 Sulphon cyanine 5R extra lb. .90 - .94
299 Diamond black F lb. 1.13 - 1.18
304 Nerol 2B lb. 1.65 - 1.73
326 Benzo fast orange S lb. 1.41 - 1.46
332 Bismarck brown R lb. .67 - .70
365 Chrysophenine lb. 1.74 - 1.35
382 Diamine scarlet B lb. 1.47 - 1.53
401 Diamine black BH lb. .52 - .55
406 Benzo blue 2B conc lb. .88 - .94
419 Diamine fast red F lb. .94 - .97
420 Diamine brown M lb. .74 - .76
443 Benzo purpurine 4B lb. .83 - —
518 Diamine sky blue FF lb. 2.30 - —
561 Trisulphon brown B lb. 2.00 - —
581 Direct deep black EW extra. lb .67 - —
593 Diamine green B lb. .80 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .69 - —
639 Xylene light yellow lb. 1.45 - —
640 Tartrazine lb. 1.20 - —
655 Auramine lb. 1.52 - —
657 Malachite green lb. 1.73 - —
662 Brilliant green lb. 2.30 - —
667 Brilliant milling green B lb. 3.03 - —
671 Glaucine lb. 1.43 - —
690 Methyl violet B lb. .95 - —
691 Crystal violet lb 1.91 - —
698 Fuchsyl violet 5BB lb. 1.41 - —
720 Chrome azurol B lb. 3.03 - —
729 Victoria blue B lb. 2.48 - —
737 Wool green S lb. 1.98 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.33 - —
841 Safranine lb. 2.17 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .67 - —
978 Sulphur black T extra lb. .26½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro' B lb. 2.40 - —
1078 Alizarin cyanine green lb. 2.42 - —
1085 Alizarin blue black B lb. 2.13 - —
1096 Indanthrene golden orange G, single paste lb. 1.81 - —
double paste lb. 3.62 - —
1099 Indanthrene dark blue BO, single paste lb. 1.45 - —
1101 Caledon jade green lb. 2.32 - —
1106 Indanthrene blue RS, single paste lb. 2.12 - —
double paste lb. 2.13 - —
1113 Indanthrene blue GCD, double paste lb. 1.60 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown PG lb. 2.30 - —
p-14 Anthracene chromate brown EB lb. 1.08 - —
p-24 Benzo fast black L lb. 1.80 - —
p-80 Diazo brilliant scarlet ROA lb. 2.61 - —
p-202 Zambesi black V lb. .90 - —
p-244 Celiton scarlet B lb. 1.37 - —
p-313 Naphthol AS-SW lb. 2.74 - —
Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.
Black, blue, No. 550 lb. .67 - —
Jet, No. 551 lb. .72 - —
Brown, R, conc lb. 1.14 - —
Orange R, brilliant lb. .73 - —
Red, 4 B, conc lb. 1.13 - —
Yellow, C lb. .96 - —
FN, conc lb. 1.00 - —
Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works,
Auramine, O lb. 1.54 - —
Black, basic, blue lb. 1.00 - —
Jet lb. 1.00 - —
Blue, methylene, 2 B, conc lb. 1.33 - —
Brown, Bismarck, R, conc lb. .70 - —
Chrysodine, R, extra lb. .50 - —
Y, extra lb. .54 - —
Fuchsine, conc lb. 2.63 - —
Green, malachite, conc lb. 1.70 - —
Rhodamine, B lb. 4.37 - —
Safranine, Y, conc lb. 2.19 - —
Violet, methyl, B lb. .99 - —

Why TAKE LESS?

Nacconol* NR

AMERICA'S LEADING SYNTHETIC DETERGENT

GUARANTEES 40% active organic content

MINIMUM!

WASHES • WETS • DISPERSES • FOAMS • EMULSIFIES IN HOT OR COLD SOLUTIONS AT ANY pH

COSTS LESS • DOES MORE

NATIONAL ANILINE DIVISION ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET, NEW YORK 6, N. Y. (BOwling Green 9-2240)

Boston, Mass., 150 Causeway St.	Capitol 0490	Greensboro, S. C., Jefferson Standard Bldg.	Greensboro 2-2518
Providence, R. I., 15 Westminster St.	Dexter 3008	Atlanta 2, Ga., 140 Peachtree St.	Cypress 2821
Chicago 10, Ill., 357 West Erie St.	SUperior 7-3387	Chattanooga 2, Tenn., James Building	CHattanooga 6-6347
Philadelphia 6, Pa., 200-204 S. Front St.	LOmbard 3-6382	New Orleans, La., Cotton Exchange Bldg.	Raymond 7228
San Francisco, Cal., 517 Howard St.	Sutter 7507	Portland 9, Ore., 730 West Burnside Ave.	Beacon 1853
Charlotte 1, N. C., 201-203 West First St.	CHarlotte 3-9221	Toronto, Canada, 137-145 Wellington St. W.	Elgin 6495

*Reg. U. S. Pat. Off.

Dyes, Coaltar, for Stains—Fusel Oil

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B, extra	lb.	.67	—
Orange, acid, Y, conc	lb.	.40	—
Rhodamine, azo- R, extra, conc.	lb.	.79	—
Scarlet, croceine, MOO	lb.	1.28	—
Yellow, azo-, conc	lb.	.89	—
Fast light, 3 G, extra	lb.	1.85	—
Methanil, conc	lb.	.77	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.48	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	.96	1.02
tanners, bbls	lb.	.06	.07
Elder flowers, bright, bls	lb.	.45	.50
Elecampane root, bls	lb.	.27	.28
Elm bark, grinding, bls	lb.	.35	.36
powd., bbls., bxs.	lb.	.46	.47
select, bndls.	lb.	.60	.65
Emetine hydrochloride, bots	oz.	42.50	48.00
Ephedra herb, bls	lb.	.90	.21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.86	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36½	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots	gram	.60	.70
Epsom salt, tech., bgs., c.l.	100 lbs.	2.30	—
l.c.l.	100 lbs.	3.05	—
USP, cryst., bgs., c.l.	100 lbs.	2.50	—
l.c.l., 5,000 lbs., 1 with drawal	100 lbs.	3.25	—
smaller lots	100 lbs.	3.50	—

Epsom salt prices freight equalized: Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.

Ergot, USP, cns	lb.	1.18	1.25
Eserine, bots	oz.	55.00	56.00
Sulphate, bots	oz.	60.00	61.00
Ether, acetate (see Ethyl acetate).			
Amyl, dms., c.l., works	lb.	.095	—
l.c.l., works	lb.	.102	—
tanks, works	lb.	.035	—
Butyl, dms., c.l., dlvd	lb	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks	lb.	.29	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works.	lb.	.16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Ethyl (see Ether, sulphuric).			
Isopropyl, dms., c.l., dlvd	lb.	.06	—
l.c.l., dlvd	lb.	.06½	—
tanks, dlvd	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	.93	1.10
	lb.	.93	1.10
Ether, sulphuric, conc., dms	lb.	.18	.23
USP, anesthesia, hospital, cans	lb.	.75	1.05
synthetic, dms., c.l., frt. alld	lb.	.13½	—
l.c.l., same basis	lb.	.14½	—
tanks, same basis	lb.	.12	—
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.13½	—
l.c.l., frt. alld	lb.	.14½	—
tanks, frt. alld	lb.	.12	—
95-98%, dms., c.l., frt. alld.	lb.	.13¾	—
l.c.l., frt. alld	lb.	.14¾	—
tanks, frt. alld	lb.	.12¼	—
99%, dms., c.l., frt. alld	lb.	.14	—
l.c.l., frt. alld	lb.	.15	—
tanks, frt. alld	lb.	.12½	—
NF, dms.	lb.	.23	.25
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.13½	—
l.c.l., frt. alld	lb.	.14½	—
tanks, frt. alld	lb.	.12	—
95-98%, dms., c.l., frt. alld	lb.	.13¾	—
l.c.l., frt. alld	lb.	.14¾	—
tanks, frt. alld	lb.	.12¼	—
99%, dms., c.l., frt. alld	lb.	.14¼	—
l.c.l., frt. alld	lb.	.15¼	—
tanks, dlvd	lb.	.12¾	—
Acetoacetate, dms., c.l., works	lb.	.44	—
l.c.l., works	lb.	.44½	—
tanks works	lb.	.42½	—
Benzoate, bots	lb.	.60½	.66
Betaethoxypropionate, dms., works	lb.	.70	—
Bromide, tech., 98%, dms	lb.	.36	.40
Butyrate, bgs	gal.	4.75	—
cns., works	lb.	.65	.70
dms., works	lb.	.60	—
Ethyl carbamate, dms., dlvd. E	lb.	.58	—
Chloride, tech., tanks	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns	lb.	2.30	3.60
Formate, dms	lb.	.38	—
Iodide, bots	lb.	4.08	4.27
Lactate, dms., works	lb.	.41	—
Methyerylate, M-2, dms., works	lb.	.60	—
cns., works	lb.	.63	.67
P-2, cns., works	lb.	.65	—
Myristate, dms., works	lb.	No prices.	
Oenanthate, dms	lb.	2.60	3.25
Oleate, dms., l.c.l., works	lb.	.75	—
Oxalate, dms., frt. alld	lb.	.33	—
Silicate, dist. (see Tetraethyl orthosilicate)			
40% available SiO_2, dms., works.	lb.	.55	—
Ethylalphanaphthylamine, bbls	lb.	.80	—
Ethylanilin, dms	lb.	.60	—
Ethylbenzene, dms., c.l	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylcellulose, 6b. dms., 5,000 lbs., works	lb.	.52	—
smaller lots, works	lb.	.54	.62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09	—
W. of Rockies	lb.	.09½	—
l.c.l., works, frt. alld., E. of Rockies	lb.	.11½	—
W. of Rockies	lb.	.12	—
smaller containers	lb.	.12½	—
tanks, frt. alld. E. Rockies	lb.	.08	—
W. of Rockies	lb.	.08½	—
Oxide, dms., c.l., works	lb.	.20	.25
l.c.l., works	lb.	.21	.25
tanks, works	lb.	.15	.17¾
Trichloride (see Trichloroethane).			
Ethylenediamine, tanks, works	lb.	.50	—
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.15½	.16
l.c.l., same basis	lb.	.16½	.17
tanks, same basis	lb.	.14	.14½
Diethylether, dms., l.c.l., works	lb.	.50	—
Monobutylether, dms., c.l. works.	lb.	.21½	—
l.c.l., works	lb.	.22	—
tanks, works	lb.	.20	—
Monoethylether, dms., c.l., works.	lb.	.18	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works	lb.	.16½	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Monomethylether, dms., c.l., works	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	—
l.c.l., works	lb.	.33	—
Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80	—
Ethylmorphine, hydrochloride, bots.	oz.	11.85	—
Ethylorthotoluidine, bbls	lb.	.30	—
Ethylvanillin, cns., 5 lbs. or more	lb.	6.75	—
smaller lots	lb.	6.90	6.90
Eucalyptol, USP, cns., dms.	lb.	1.85	4.00
Eucalyptus leaves, bls	lb.	.12	.13
Eugenol, prime, USP	lb.	1.85	3.25
Euphorbia, pil., herb, bls	lb.	.15	.17

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	17.00	20.50
bulk, c.l., works	ton.	14.00	17.50
Glass, 20 mesh bgs., tons, works.	ton.	12.75	16.25
bulk, c.l., works	ton.	9.75	12.25
Pottery, bgs., 2 ton lots, works.	ton.	20.00	22.00
bulk, c.l., works	ton.	17.00	19.00
Fennel seed, Argentine, bgs.	lb.	.11½	.12
Indian, bgs.	lb.	.12½	.13
Fenugreek, domestic, bgs.	lb.	No stocks.	
Indian, bgs.	lb.	.11½	.12
futures, bgs.	lb.	.10¾	.10¾
Moroccan, bgs.	lb.	.09½	.10¾
Ferric sulphate (see iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.13	—
water-white, cs., works	lb.	.14	—
Fir balsam, Canada, cns	gal.	32.00	33.00
Oregon, bbls	gal.	2.25	2.30
Fishberries, bgs	lb.	.24	.25
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, 60% protein, bgs., No. Carolina area	ton.	145.00	—
65% protein, bgs., Bdlto. area.	ton.	150.00	—
Fishscrap, dried, 60% protein, bulk, No. Carolina area	ton.	138.50	—
Fleaseed (see Psyllium seed).			
Fluorspar, acid grade, bgs., c.l., mines	ton.	47.50	—
l.c.l., mines	ton.	49.50	—
bulk, contract, c.l., mines	ton.	42.00	—
noncontract, c.l., mines	ton.	45.00	—
l.c.l., mines	ton.	47.00	—
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net	ton.	39.00	41.00
washed gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	37.00
65%, bulk, c.l., mines	ton.	34.00	36.00
60%, bulk, c.l., mines	ton.	33.00	35.00
less than 60%, bulk, c.l., mines.	ton.	32.00	34.00
Formaldehyde, USP (inhibited), bbls., c.l., works	lb.	.0645	—
l.c.l., works	lb.	.0695	—
dms., extra, c.l., works	lb.	.0545	—
l.c.l., works	lb.	.0595	—
tanks, works	lb.	.0370	—
tanktrucks, dlvd., N.Y.C.	lb.	.0395	—
methanol free (uninhibited) tanks, works	lb.	.0350	—

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware.

Fringetree bark, bls.	lb.	.45	.47
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	30.00	—
Tex., mines	ton.	27.00	—
spent, bulk, Bayonne	ton.	2.00	4.00
imp., bgs., c.l.	ton.	30.00	40.00
Furfural, tech., dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.14	—
tanks, works	lb.	.09½	—
Fusel oil, refined, dms., c.l.	lb.	.29½	—
l.c.l.	lb.	.30½	—
tanks	lb.	.28	—

THEY'RE HERE RIGHT NOW

MORE MORE MORE

coming in 1949 from the

BIGGEST show on earth!

(!!! MORE STUPENDOUS THAN EVER !!!)

3 center-ring features IN A MAMMOTH 3 RING CHEMICAL CIRCUS 3

CSC

FERMENTATION BUTYLS!

BUTYL ACETATE — BUTANOL — DIBUTYL PHTHALATE

1949 is a NEW YEAR! a DIFFERENT year . . . so NOW ask yourself these momentous questions!

1—Have I checked on CSC Butyls lately? (BETTER DO IT RIGHT AWAY!)

2—Is it now possible for me to return to pre-war quality?

CHECK NOW—PLAN FOR THE FUTURE—WITH

COMMERCIAL SOLVENTS CORPORATION

17 EAST 42nd ST. NEW YORK 17, N. Y.

Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 - —
solid, No. 1, bxs., l.c.l. lb. .23 - —

G

G salt, bbls lb. .50 - .60
Galangal root, bls. lb. .14 - .15
Gambier, plantation, bgs., ex dock lb. .21 - .23
Extract, bbls No stocks
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .10625- —
Bayonne, 74 octane, tanks gal. .116 - —
Gulf coast, 73-75 octane, tanks, gal. .105 - .11
Group 3, 73-75 octane, tanks gal. .10375- .11
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks gal. .1175- .12
natural, 26-70 octane, group 3, tanks gal. .085 - —
Gelatin, silver label, ctns., dlvd lb. 1.25 - —
export, cs lb. 1.35 - —
Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.
Gelsemium root, bls lb. .35 - .40
Gentian root, bls lb. .15 - .16
grd., bbls., bxs lb. .16 - .19
powd., bbls., bxs lb. .19 - .20
Geraniol, 92-96%, cns., dms lb. 3.10 - —
prime lb. 2.50 - —
Geranyl acetate, cns lb. 3.15 - 3.30
Ginger, oleoresin, bots lb. 4.25 - 4.75
Root, African, bls lb. .14½- .15
Cochin, bleached, bgs. lb. No stocks.
unbleached, bgs. lb. .20 - .21½
Jamaica, No. 1, bgs lb. .27 - .27¼
No. 2, bgs lb. .25½- .26
No. 3, futures lb. .24½- .25
Rhattoon, bgs lb. .22 Nom.
Ginseng root, cs lb. 14.00 -18.50
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., bgs., works 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .17½- —
40-65, bgs., c.l., same basis lb. .19½- —
65-90, bgs., c.l., same basis lb. .21 - —
95-145, bgs., c.l., same basis lb. .23½- —
145-180, bgs., c.l., same basis lb. .25½- —
Bone glue, l.c.l., prices, 1c. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .22 - —
l.c.l., same basis lb. .23 - —
pulverized, 60 jellygrams, bgs., c.l. (50,000 lbs.), same basis, lb. .24½- —
l.c.l., same basis lb. .25½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .25 - .28
122-149, bgs., c.l., dlvd lb. .26 - .29
150-177, bgs., c.l., dlvd lb. .27 - .30
178-206, bgs., c.l., dlvd lb. .28 - .31
207-236, bgs., c.l., dlvd lb. .29 - .32
237-266, bgs., c.l., dlvd lb. .30 - .33
267-298, bgs., c.l., dlvd lb. .31 - .34
299-330, bgs., c.l., dlvd lb. .32 - .35
331-362, bgs., c.l., dlvd lb. .33 - .36
363-394, bgs., c.l., dlvd lb. .34 - .37
395-427, bgs., c.l., dlvd lb. .35 - .38
428-460, bgs., c.l., dlvd lb. .36 - .39
461-494, bgs., c.l., dlvd lb. .37 - .40
495-529, bgs., c.l., dlvd lb. .38 - .41
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd lb. .23 - .30
soaplye, 80%, tanks, dlvd. lb. .27 - —
dynamite, dms., c.l., dlvd lb. .39½- .40¼
l.c.l., dlvd. lb. .40 - .40¾
tanks, dlvd. lb. .39¼- .40
high gravity, dms., c.l. lb. .39¼- .40¼
l.c.l. lb. .40 - .40¾
tanks lb. .39¼- .40
refined, BP, 98%, dms., c.l. lb. .39¾- .41½
tanks lb. .39½- .41¼
USP, 95%, dms., c.l. lb. .39½- .41¼
l.c.l. lb. .40 - .41¾
tanks lb. .39¼- .40
yellow, distilled, dms., c.l. lb. .39¾- .40¼
l.c.l. lb. .39¾- .40¾
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms lb. .22 - —
Stearate, dms. lb. .26 - —
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - —
tanks, works lb. .17 - —
Gold chloride, acid-brown, bots oz. 22.00 -22.25
acid-yellow, bots oz. 20.00 -20.25
Gold of pleasure seed, bgs lb. .40 - .41
Golden seal, root, bls. lb. 4.25 - 4.95
powd., bxs lb. 5.50 - 5.75
Gold-sodium chloride, photo, bots. oz. 13.50 -14.00
USP IX, bots oz. 14.50 -15.00
Grains of paradise, bgs lb. .27 - .28
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex wnse lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 - .22
No 2 whse lb. .23 - —
Grease, house, loose lb. .08 Nom.
White, choice, loose lb. .10¾ Nom.
Wool (see Degras and Lanolin).
Yellow, loose lb. .08¾ Nom.
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 —
11-15%, bbls., same basis lb. .38 - —
16-20%, bbls., same basis lb. .38½- —
21-25%, bbls., same basis lb. .39½- —
26-30%, bbls., same basis lb. .39¾- —
31-35%, bbls., same basis lb. .39½- —
36-40%, bbls., same basis lb. .42½- —
41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¾- —
50% and over, bbls., same basis lb. .46¾- —
Green, chrome, reduced color, 5%, bbls., same basis lb. .12 - —
6-10%, bbls., same basis lb. .12¾- —
11-13%, bbls., same basis lb. .13¼- —
14-16%, bbls., same basis lb. .14 - —
17-19%, bbls., same basis lb. .14¼- —
20-21%, bbls., same basis lb. .14½- —
22-23%, bbls., same basis lb. .14¾- —
24-25%, bbls., same basis lb. .15 - —
26-27%, bbls., same basis lb. .15½- —
28-29%, bbls., same basis lb. .16 - —
30-31%, bbls., same basis lb. .17 - —
32-33%, bbls., same basis lb. .18¼- —
34-35%, bbls., same basis lb. .19¼- —
36-40%, bbls., same basis lb. .22 - —
41-45%, bbls., same basis lb. .24¼- —
46-50%, bbls., same basis lb. .25¾- —
51-55%, bbls., same basis lb. .25½- —
56-60%, bbls., same basis lb. .26 - —
Green, chrome, reduced color, 61-65%, bbls., same basis lb. .27 - —
66-70%, bbls., same basis lb. .28¼- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar)
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner bbls., works, lb. 4.40 - 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindelia robusta herb bls lb. .25 - .30
Guaiac resin, cs lb. .48 - .49
Wood, bls lb. .35 - .36
Guaiacol, cryst., NF, tins lb. No prices
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, NF, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .93
Gum, arabic, amber, sorts, bgs lb. .12½- .14
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .38 - .40
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .23 - .25
No. 2, bgs. lb. .19 - .21
No. 3, bgs. lb. .14 - .16
Manila, loba, B, bgs. lb. .26 - .28
C, bgs. lb. .24 - .26
CBB, bgs. lb. .19 - .21
CNE, bgs. lb. .13½- .15
DBB, bgs. lb. .18 - .20
DK, bgs. lb. .13½- .15
dust, bgs. lb. .07½- .09
soft, MA, bgs. lb. .13½- .15
WS, bgs. lb. .20 - .21
Philippine, pale, chips, bgs lb. .18½- .20¼
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19¼
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .35 - .38
Dammar, Batavia, A D, bgs lb. .28 - .30
A E, bgs. lb. .23 - .24
dust, bgs lb. .08½- .09¼
E, bgs. lb. .14 - .15
East India, batu, bold, bgs lb. .09¾- .11
nubs & chips, bgs. lb. .07½- .09
black, bold, bgs. lb. .12½- .13¼
unscraped, bgs. lb. .09½- .10¼
nubs & chips, bgs. lb. .09½- .10¼
pale, chips, bgs. lb. .12 - .14
nubs, bgs. lb. .26 - .28

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EXAMPLES

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an unsaturated aldehyde	ACROLEIN
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a chlorinated epoxy compound	EPICHLOROHYDRIN
a conjugated diolefin	METHYLPENTADIENE
a saturated trichloride	1,2,3-TRICHLOROPROPANE
a tertiary alcohol	TERTIARY BUTYL ALCOHOL
a tertiary olefin	DIISOBUTYLENE
a simple ketone	ACETONE

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Gum, Dammar, Singapore—Manganese Chloride

Gum, dammar, Singapore, No. 1, bgs lb. .28 - .30
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .13 - .14
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 - .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .98 - 1.00
Gamboge, pipe, cs lb. 1.20 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1 lb. .48 - .49
No. 2 lb. .40 - .44
No. 3 lb. .34 - .35
No. 4 lb. .31 - .32
No. 5 lb. .29 - .31
No. 6 lb. .27 - .30
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .35 - .37
Mastic, cs lb. 2.25 - —
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.00 - 3.25
No. 2, cs lb. 2.40 - 2.65
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt. equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., c.l., Acme Texas, frt. equald ton. 8.00 - —
Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .55 - .57
Heliotropin, cryst., cns lb. 3.10 - 3.45
Hellebore root, white, powd., bbls lb. .40 - .45
Helonias root, bls. lb. 1.75 - 1.80
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .45 - .75
Henna leaves, bls lb. .21 - .23
powd., bbls., bgs lb. .25 - .27
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½- .13¼
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .27½- —
smaller lots, same basis lb. .28½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexane, industrial, group 3, tanks, gal. .13½- .14¼
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexylresorcinol, 100 lbs. up, frt. alld lb.19.00 - —
works lb.19.00 -27.75
smaller lots, frt. alld lb.20.00 -21.50
works lb.20.00 -33.50
Histidine hydrochloride—1, fib. dms., works, 50 kilos kilo.120.00 - —
1-5 kilos kilo.130.00 - —
Homatropine, hydrobromide, bots. oz.15.00 -25.00
Hydrochloride, dms oz.20.00 -25.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.00 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Sulphate, bots oz.53.50 -53.80
Hydrastine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, bbls., dms lb. .90 - .94
Hydroxycitronellal, cns lb. 6.50 - 7.50
Hyoscine hydrobromide, bots oz.34.00 -38.00
Hyoscyamine, bots oz.18.00 -20.00
Hydrobromide, bots oz.18.00 -19.50
Sulphate, bots oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .52½- —
No. 2, bbls., l.c.l lb. .44½- —
liquid, No. 1, bbls., l.c.l lb. .28½- —
No. 2, bbls., l.c.l lb. .23½- —
solid, No. 1, bxs., l.c.l lb. .41 - —
Hyssop herb, bgs lb. .45 - .50
Leaves, bgs lb. .55 - .60

I

Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.80
synth., paste, bots lb. .16½- .19
Iceland moss, bgs lb. .40 - .50
Ichthammol, NF, bots lb. 2.45 - —
powd., bbls lb. .74½- .85
Indol, CP, bots. lb.18.50 -23.00
Inositol, tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse, Staten Island lb. 1.729 - —
resubl., bots., jars lb. 2.55 - 2.65
Iodoform, dms., kgs. lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.15 - 6.00
beta, cns lb. 8.60 -10.00
Methyl (see M).
IPC, bots., 1-5 lbs lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 4.25 - 4.60
powd., bgs. lb. 4.80 - 4.90
Irish moss, bleached, prime, bls lb. .18 - .19
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP 1X, cbys lb. .16 - —
dms. lb. .17 - —
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., bbls., works 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP X, lump, bbls lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld, or equald lb. .06 - .06½
Citrate, gran., dms lb. .77 - .79
Glycerophosphate, N.F., powd lb. 4.35 - —
Hypophosphite, dms lb. 2.80 - —
Iodide, bots lb. 3.48 - 3.63
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21½- .21¾
Nitrate, red, tech., dms lb. .03½- .04
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms., frt. alld. lb. .24 - —
Stearate, dms., c.l. lb. .40 - —
ton lots lb. .41 - —
less ton lots lb. .42 - —
Sulphate (ferric), anhyd., bgs., c.l., works ton.52.50 - —
l.c.l., works ton.57.50 - —
partially hydrated, bgs., c.l., works ton.28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, brown, green, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isobornyl acetate, cns lb. .97 - 1.10
Isobutyl acetate, cns lb. .97 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .33 - .36
Isoeugenol, extra, cns lb. 3.20 - 4.00
cbys., extra lb. 3.10 - 3.35
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies lb. .13½- —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .12 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works lb. .37 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls. lb. .45 - .50
powd., bbls., bxs lb. .50 - .60
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs. lb. .09 - .18
Tar, USP, dms lb. .40 - .65

K

Kamala, powd., cns lb. .45 - .52
Kaolin (see China clay).
Kava kava root, bls. lb. .26 - .31
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks gal. .095 - —
Bayonne, 41-43 s.g., w.w., tanks gal. .103 - —
California, 40-43, s.g., w.w., tanks gal. .1190- .1290
Gulf ports, 41-43, s.g., w.w., tanks gal. .0925- .095
Okla.-Tex., 41-43, s.g., w.w., tanks gal. .09375- .09625
Penn., 45, s.g., w.w., tanks gal. .1125- .125
47, s.g., w.w., tanks gal. .12 - .125
Kola nuts, bgs lb. .10 - .12
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Ladyslipper root, bls. lb. 1.60 - 1.65
Lanolin, anhyd., cosmetic, dms., works lb. .22 - .24
pharmaceutical, USP, dms., works lb. .20 - .22
hydrous lb. .18 - .20
Lard, cash, tres., Chicago lb. .17 Nom.
Larkspur seed bgs lb. .35 - .40
Laurel berries, bls lb. .25 - .26
Leaves, Portuguese, bls. lb. .07¼- .08
Greek, bls lb. .07 - .07½
Turkish, bls lb. .12 - .12½
Lavender flowers, medium, bls. lb. .65 - .66
ordinary, bls lb. .20 - .21
select, bls. lb. .70 - .75
Lead acetate, white, crystals, bbls., lb. .27 - —
gran., bbls. lb. .27¾- —
powd., bbls. lb. .27¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l. lb. .31½- —
l.c.l. lb. .32½- —
1-lb. bgs., c.l lb. .39½- —
l.c.l. lb. .40 - —
Lead arsenate prices are works or whse. basis frt. alld. op 96 lbs. or more to dest. East.
Blue basic sulphate, bbls., c.l., ship't point, frt. alld lb. .20¼- —
l.c.l., works lb. .21¼- —
Carbonate (see Lead, white).
Chloride, fib. dms lb. .49 - —
Iodide, NF V, jars lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .39 - —
Metal, pigs, prime, N. Y. lb. .21½- —
E. St. Louis lb. .2130- .2135
Metallic paste, dms., 10,000-40,000 lbs., works lb. .27½- —
2,000-10,000 lbs., same basis lb. .28½- —
1 to 2,000 lbs., same basis lb. .30 - —
Naphthenate, liquid, 16% Pb, dms., frt. alld lb. .16¾- .17¼
24% Pb, dms., frt. alld lb. .23½- .24
30% Pb, dms., frt. alld lb. .28½- .29
Nitrate, bbls., c.l lb. .23 - —
l.c.l. lb. .23½- —
Oleate, bbls lb. .33 - —
Peroxide, powd., tech., bbls lb. .41 - .43
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld lb. .24¼- —
l.c.l., same basis lb. .25¼- —
97% Pb_3O_4, bbls., c.l., same basis. lb. .24½- —
l.c.l., same basis lb. .25½- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .24¾- —
l.c.l., same basis lb. .25¾- —
Resinate, precip., dms., frt. alld. lb. .27¼- —
Silicate, bgs., l.c.l., ship. point, frt. alld lb. .2270- .2330
Stearate, bbls., c.l. lb. .46 - —
ton lots lb. .47 - —
less ton lots lb. .48 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, liquid, 16% Pb, dms lb. .14¾- .15¼
solid, 30% Pb, dms lb. .23½- .24
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .2210- —
l.c.l., same basis lb. .2310- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .1925- .2535
l.c.l., same basis lb. .1975- .2635
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .20¼- —
l.c.l., same basis lb. .21¼- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½- —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½- —
Lemon peel, bls lb. .25 - .36
Licorice extract, mass, cns lb. .25 - .30
powd., bbls. lb. .40 - .42
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton. 9.00 - —
Annville, Pa ton. 9.00 - —
Bellefonte, Pa ton. 9.00 - —
Berkeley, W. Va ton. 9.00 - —
Buffalo, N. Y ton. 9.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 9.50 - —
Crab Orchard, Tenn ton. 8.50 - —
Eagle Mountain, Va ton. 8.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 9.00 - —
Hannibal, Mo ton. 8.50 - —
Keystone, Ala ton. 8.50 - —
Knoxville, Tenn ton. 8.50 - —
Limedale, Ark ton. 8.50 - —
Longview, Ala ton. 9.00 - —
Manistique, Mich ton. 8.00 - —
Marblehead, Ohio ton. 8.50 - —
Martinsburg, W. Va ton. 8.50 - —
Menominee, Mich ton. 9.00 - —
Mitchell, Ind ton. 8.00 - —
Newala, Ala ton. 7.50 - —
Ripplemead, Va. ton. 8.50 - —
Riverton, Va ton. 8.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 9.30 - —
Sherwood, Wis. ton. 8.50 - —
Springfield, Mo ton. 8.00 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton. 9.00 - —
Hydrated, paper bgs., Adams, Mass. ton.11.50 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa. ton.11.50 - —
Berkeley, W. Va. ton.10.00 - —
Buffalo, N. Y. ton.11.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton.11.50 - —
Crab Orchard, Tenn. ton.11.65 - —
Eagle Mountain, Va. ton.10.00 - —
Engle, W. Va. ton.11.50 - —
Farnams, Mass. ton.11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton.12.25 - —
Knoxville, Tenn. ton.11.50 - —
Limedale, Ark. ton.10.00 - —
Longview, Ala ton.12.25 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Newala, Ala. ton.12.25 - —
Petoskey, Mich. ton.10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton. 9.00 - —
Ripplemead, Va. ton.10.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton.12.14 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa. ton.11.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa. ton.11.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.11.50 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa. ton.11.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 4.00 - 4.25
Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots lb. 4.35 - 7.20
ex lignaloe wood, bots lb. 8.25 - 8.40
ex petitgrain, bots lb. 5.10 - 6.35
Linden flowers with leaves, bls lb. .25 - .27
without leaves, bls. lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills ton.78.00 - —
Litharge com'l, powd., bbls., c.l. ship't point, frt. alld lb. .23¼- —
l.c.l., same basis lb. .24¼- —
Lithium bromide, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, dms lb. 1.15 - 1.65
Citrate, bbls., dms., kgs lb. 1.30 - 1.45
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¾- —
l.c.l., same basis lb. .06¾- .06¾
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08¼- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. lb. .85 - .90
Lobelia herb, bls lb. .65 - .70
leaves N.F. lb. .95 - —
Lobeline sulphate, bots., works oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l., lb. .36½- —
liquid, No. 1, bbls., l.c.l lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l lb. .33 - —
No. 2, bxs., l.c.l lb. .31 - —
No. 3, bxs., l.c.l lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls lb. 1.20 Nom.
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.90 - 2.50

M

Mace, No. 1, Siauw, cs lb. 1.00 - 1.05
East Indian, bgs., futures lb. 1.05 - 1.10
Papua, bgs., futures lb. 1.15 - 1.20
West Indian, bgs lb. 1.00 - 1.05
broken lb. .95 - 1.00
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, dms lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., bbls., works lb. .12¾- —
flake, bbls. c.l., works ton.40.00 - —
l.c.l., works ton.44.00 -46.00
Fluoride, bbls lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs lb. .34 - .38
Oleate, precip., bbls lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .09¼
Stearate, ctns., 2,000 lbs. to c.l. lb. .43 - —
smaller lots lb. .44 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. lots lb. .37 - —
smaller lots lb. .42 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash ton.27.00 - —
Maleic anhydride, dms., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Malva flowers, black, bls lb. 1.50 - 1.75
Blue, bls. lb. 1.00 - 1.25
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .48 - .52
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms. lb. .24 - —

$90,218 of Chemicals

Sold at the cost of a $108.40 ad in OPD alone plus $449.35 spent for direct mail and news releases.

"The Biggest Marketing Job in History"

(PRINTER'S INK FOR DECEMBER 17, 1948) SAYS:—

"The Birmingham regional office had 2,595,145 lbs. of chemicals at the Alabama Ordnance Works, Sylacauga, Ala., which needed to be moved quickly. The chemicals had been used in the manufacture of explosives and their peacetime uses were limited. They had an acquisition cost of $197,531. A direct-mail piece over the Birmingham Office signature was prepared in the WAA Washington office, and 8,500 copies of it were mailed to prospective purchasers in all parts of the country. This mailing list was made up of fifteen different groups of manufacturers, refiners, supply houses, etc., who were known to have use for or to deal in the type of chemicals offered. Cost of preparing and distributing the direct-mail pieces was $449.35. A full-page advertisement in the Oil, Paint and Drug Reporter described the offering and directed persons interested to write to the Birmingham office for more detailed information. The ad cost $108.40. A news release was prepared for the trade journals and also released to daily newpapers of the country.

"The results: More offers were received for five of the eight lots of chemicals than could be filled. No results were obtained on the other three chemicals (these three items, however, constituted only $55,059 of the total acquisition of the entire offering). The five lots which were sold had an acquisition cost of $142,471 and were sold for $90,218—a recovery of 63%. The advertising cost was 0.6% (less than two-thirds of 1%) of the amount received."

Reason

OPD is a *Buyers'* paper. It's the price paper that is open for chemical news and price changes until Friday at 4 P.M. It's the "Market Authority" that, with 5,000 to 6,000 up-to-date prices, lands fresh every Monday morning on the desks of the majority of 11,000 buyers of chemicals and related materials.

OPD sells chemicals because OPD is read by Chemical Buyers who have such as this to say about OPD: "It's just a 'must' every Monday morning when I start the week's work." *President*

Oil, Paint and Drug Reporter

59 John Street New York 7, N. Y.

Manganese Dioxide—Monoethylamine

Manganese dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ..ton 74.00 - —
smaller lots, works ..ton 77.00 -82.00
burlap bgs., c.l., works ..ton 71.75 - —
l.c.l., works ..ton 74.75 -79.79
paper bgs., c.l., works ..ton 70.00 - —
l.c.l., works ..ton 73.00 - —
85-90%, bbls., c.l., works ..ton 74.00 - —
smaller lots, works ..ton 77.00 -82.00
Glycerophosphate, fib. dms ..lb. 4.25 - —
Hydrate, bbls., dlvd ..lb. .26 - —
Hypophosphite, NF, dms ..lb. 2.00 - —
Iodide, jars ..lb. 5.55 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs. dlvd. East ..lb. .30 - .32
Naphthenate, liquid, 6% Mn. dms., frt. alld lb. .22¾- .23¼
Oleate, fused, bbls ..lb. .44¾- —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms. ..lb. .22½- —
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ..ton 60.00 - —
l.c.l., dlvd. S. E. ..ton 67.00 - —
feed grade, 80%, bgs ..lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E. ..ton 68.50 - —
l.c.l., same basis ..ton 75.50 - —
Tallate, liquid, 4% Mn, dms ..lb. No prices.
solid, 8% Mn, dms ..lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ..ton 72.00 Nom.
Manna, flake, large, cs. ..lb. 1.40 - 1.50
small, cs. ..lb. 1.00 - 1.10
Mannitol, com'l, dms., works ..lb. .40 - .43
reagent, 50-lb. dms., works ..lb. .85 - —

Marjoram, Argentine, bls ..lb. .14 Nom.
Chilean, bls. ..lb. .18 - .18½
French, bls ..lb. .32 - .33
Matico leaves, bls ..lb. .25 - .28
Menadione, USP, bots., works gram. .10 - —
Menthol, natural, USP, Brazilian lb. 9.00 - 9.15
synthetic, tech., cns ..lb. 6.00 - 6.40
USP, laevo, cns ..lb. 8.90 - 9.95
Menthyl salicylate, tins ..lb. 4.25 - 4.35
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms ..lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, cryst., powd ..lb. 3.27 - 3.32
Iodide, red, NF, dms ..lb. 4.32 - —
Yellow, NF, fib. dms ..lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms ..lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd ..lb. .13 - —
l.c.l., dlvd ..lb. .13½- —
tanks, dlvd ..lb. .11½- —
Metachloranilin, dms., works ..lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .79 - .80
l.c.l. ..lb. .80 - —
80-82%, dms., works ..lb. .35 - —
70-75%, dms., works ..lb. .30 - —
Metanitroparatoluidin, bbls ..lb. 1.28 - 1.33
Metaphenylenediamine, kgs ..lb. .76 - —
Metatoluidine, bbls., works ..lb. .80 - —
Metatolylenediamine, kgs ..lb. .77 - —
Methanol, natural, dms., c.l., frt. alld gal. .74 - .80
l.c.l., frt. alld ..gal. .77 - .85
tanks, frt. alld ..gal. .66 - .70
Prices on natural methanol W. of Miss 3c. higher.

Methanol, synthetic, eastern production, zone 1, dms., c.l., frt. alld ..gal. .38½- .40
l.c.l., frt. alld ..gal. .42 - .43
tanks, frt. alld ..gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .45 - .47
l.c.l., ex whse ..gal. .47½- .49½
tanks, frt. alld ..gal. .33 - —

Synthetic methanol zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Texas production. Midwest and Gulf states, dms., c.l. works, frt. alld ..gal. .37½- —
tanks, frt. alld ..gal. .27 - —
West of Rockies, dms., c.l., frt. alld ..gal. .45 - —
tanks, frt. alld ..gal. .33 - —
Methionine-dl, fib. dms., works, 1,000-lb. lots ..lb. 8.25 - —
50 to 999-lb. lots, works ..lb. 8.40 - —
1 to 49-lb. lots, works ..lb. 10.00 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 ..lb. .17½- —
l.c.l., same basis ..lb. .18 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 ..lb. .17¾- —
l.c.l., same basis ..lb. .18¼- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. ..lb. .08 - —
l.c.l., same basis ..lb. .08½- —

Methyl acetoacetate, dms., c.l., works ..lb. .49½- —
l.c.l., same basis ..lb. .50 - —
tanks, works ..lb. .48 - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld ..gal. .50 - .60
l.c.l., same basis ..gal. .57 - .67
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - .60
synthetic, dms., c.l., works, frt. alld, E gal. .61½- —
frt. alld. W ..gal. .64 - —
l.c.l., works, frt. alld. E gal. .65 - —
frt. alld. W ..gal. .68½- —
tanks, works, frt. alld. E gal. .52 - —
frt. alld. W ..gal. .55½- —

Methyl acetone, synth., East. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more ..lb. 2.10 - —
smaller lots ..lb. 2.20 - 3.00
Benzoate, cns ..lb. .55 - 1.20
Bromide, dealers, cns. ..lb. .50 - .52
cyls. ..lb. .46 - .59
Chloride, indust., cyl., works ..lb. .17 - —
tanks, multi-unit, works ..lb. .13 - —
single-unit, works ..lb. .10½- —
refrigerator mfrs., cyls., dlvd ..lb. .34 - —
other consumers or service men, cyls., dlvd ..lb. .42 - —
Cinnamate, cns ..lb. 1.65 - 3.50
Formate, dms. ..lb. .89 - —
Heptin carbonate, bots. ..lb. 36.00 -58.00
Iodide, bots., cbys ..lb. 4.33 - 4.52
Lactate, dms., l.c.l., works ..lb. .35 - —
Methacrylate, M-1, dms., works ..lb. .45 - —
cns, works ..lb. .48 - .58
P-1, cns., works ..lb. .60 - —
Parahydroxybenzoate, bots., cntrs. ..lb. 2.10 - 2.20
fib. dms. ..lb. 1.90 - 2.00
Salicylate, dms., 500 lbs ..lb. .40 - —
25-50 lbs. ..lb. .45 - —
Methylal, refined, 95%, dms., c.l. ..lb. .06 - —
l.c.l., works ..lb. .07 - —
tanks, works ..lb. .04½- —
Methylamyl ketone, dms., works ..lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. ..lb. .68 - —
2,000 lbs. and more, same basis ..lb. .70 - —
smaller lots, frt. alld. on 100 lbs. ..lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld ..lb. .62 - —
2,000 lbs. and more, same basis ..lb. .63 - —
smaller lots, frt. alld. on 100 lbs. ..lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald ..lb. 2.66 - —
smaller lots, kgs., same basis ..lb. 2.77 - 2.83
Chloride, indust., dms., c.l., dlvd. E ..lb. .12½- —
l.c.l., dlvd. E ..lb. .13½- —
tanks, dlvd. E ..lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld ..lb. .36 - —
smaller lots, same basis ..lb. .37 - —
Methylethyl ketone, dms., dlvd ..lb. .11½- —
l.c.l., dlvd ..lb. .12 - —
tanks, dlvd ..lb. .10 - —
Methylhexyl ketone, tech., dms., works ..lb. .60 - —
Methylionone, A, cns ..lb. 6.55 - 8.80
D, cns ..lb. 7.50 - 9.55
prime, cns ..lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd ..lb. .14 - —
l.c.l., dlvd. ..lb. .14½- —
tanks, dlvd ..lb. .12½- —
Methylnaphthyl ketone, cns ..lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. ..lb. .17½- —
l.c.l., works, dlvd ..lb. .18½- —
tanks, works, dlvd ..lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works ..lb. .03⅝- —
roofing, 20 to 80 mesh, works ..lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E ..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. ..lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E ..lb. .05½- —
l.c.l., ex whse. or frt. alld. E ..lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E ..lb. .07 - —
l.c.l., ex whse. or frt. alld. E ..lb. .07½- .07¾
rubber, bgs., c.l., works, frt. alld. E ..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E ..lb. .07¼- .07½
wallpaper, bgs., c.l., works, frt. alld. E ..lb. .07 - —
l.c.l., ex whse. or frt. alld. E ..lb. .07½- .07¾
white, extra fine, bgs., c.l., works, frt. alld. E ..lb. .07 - —
l.c.l., ex whse. or frt. alld. E ..lb. .07¾- —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.

Milk powder, skimmed, roller, bbls., c.l. ..lb. .14¾- .16½
spray, bbls., c.l. ..lb. .16¾- .18¼
Whole, roller, bbls., c.l. ..lb. .36½- .42
spray, bbls., c.l. ..lb. .34 - .46¼
Sugar, edible, bbls., works, 30,000-lb. lots ..lb. .24 - —
2,000-lb. lots ..lb. .24¼- —
200-1,800-lb. lots ..lb. .25¼- —
USP, bbls., works, 3,000-lb. lots. ..lb. .26 - —
2,000-lb. lots ..lb. .26¾- —
200-1,800-lb. lots ..lb. .27¼- —
Molasses, blackstrap, tanks ..gal. .20 - .31
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs ..lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content ..lb. .95 - —
technical, kgs., works, basis Mo. content ..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald ..lb. .06½- .08
l.c.l., works ..lb. .07 - .09
smaller containers, works ..lb. .09 - .12
tanks, works, frt. equald ..lb. .06 - .06¼
Monoethanolamine, dms., c.l., frt. alld. E ..lb. .26½- —
l.c.l., same basis ..lb. .27½- —
smaller containers, same basis ..lb. .30½- —
tanks, same basis ..lb. .25 - —
Monoethylamine, dms., c.l., works, basis 100% ..lb. .22 - —
l.c.l., same basis ..lb. .23 - —
tanks, same basis ..lb. .20 - —

In August 1947 four Dutch leading producers of chemicals decided to found a joint sales organisation in order:
1st to handle an efficient domestic distribution of their products
2nd to promote the exportation of their products.

In addition to the sales departments an import division was established for the importation of those products which are not or insufficiently produced by the associated companies.

STAATSMIJNEN IN LIMBURG HEERLEN
KONINKLIJKE ZWAVELZUURFABRIEKEN v/h KETJEN N.V. AMSTERDAM
N.V. KONINKLIJKE NEDERLANDSCHE ZOUT-INDUSTRIE · HENGELO
N.V. MAATSCHAPPIJ TOT EXPLOITATIE VAN KOOKSOVENGASSEN M.E.K.O.G. IJMUIDEN

The N.V. ALGEMEENE INDUSTRIEËLE, MIJNBOUW EN EXPLOITATIE MIJ. A.I.M.E. at Amsterdam and Bandoeng (Java) also joined the sales office.

NEDERLANDSCH VERKOOPKANTOOR VOOR CHEMISCHE PRODUCTEN N.V.

If you want to sell on the Dutch market apply to the N.V.C.P. We, undoubtedly, have possibilities for the sale of your chemicals and minerals.

Customers in more than 30 countries think it advantageous to deal with the N.V.C.P. We invite you to join them.

Line of Dutch chemicals for the world market:

ammonia · ammoniumbicarbonate · ammoniumchloride · anthracene · benzol · chloramine T · creosote oil · ethylene dichloride · glauber's salt · hydrochloric acid · javanite · lake red C base · manganese dioxide · manganese oxyhydrate · manganese sulfate · monochlorobenzene · mononitrobenzene · naphthalene · naphthalene sulfonic acid, sodium salt · paratoluenesulfonamide · paratoluenesulfonchloride · plasticizers (methylic, ethylic and cresylic ester of toluene sulfonic acid) · potassium permanganate · pyridine · pyridine bases · saccharin · solvent naphtha · sulfur dioxide · sulfuric acid · sulfurylchloride · toluene ethylsulfonamide · toluene sulphonamide formaldehyde resin · toluol · xylol

APPLY TO:

NEDERLANDSCH VERKOOPKANTOOR VOOR CHEMISCHE PRODUCTEN N.V.

The prime of Dutch chemicals

63 MAURITSKADE, AMSTERDAM - HOLLAND - CABLE ADDRESS: CHEMICALS

ESTABLISH A DEPENDABLE SOURCE OF SUPPLY

Ammonium Bifluoride
Ammonium Fluosilicate
Benzoic Acid
Bicarbonate of Soda
Bisulphate of Soda (Globular)
Carbon Tetrachloride
Carragar
(Irish Moss Extractive)
Caustic Potash
Chloride of Lime
DDT
Dicalcium Phosphate
Disodium Phosphate
Gelatin
Gragar
(Irish Moss Extractive)
Hydrofluosilicic Acid
KRIM-KOgel
(Irish Moss Extractive)
Lactic Acid
Magnesium Fluosilicate
Magnesium-Zinc Fluosilicate Mixture
Monocalcium Phosphate
Monosodium Phosphate
Muriatic Acid

Naphthalene
Nitric Acids
Orthodichlorobenzene
Paradichlorobenzene
Paratoluene Sulfonchloride
Phosphate Paste
Phosphoric Acids
Phosphorous Pentasulfide
Potassium Carbonate
Phosphorous Pentoxide
Saccharin
Soda Ash
Sodium Acetate
Sodium Benzoate
Sodium Metasilicate, Pentahydrate
Sodium Metasilicate, Anhydrous
Sodium Sesquisilicate, Anhydrous
Sodium Orthosilicate, Anhydrous
Sulphuric Acids
Trisodium Phosphate
Sodium Fluosilicate
Zinc Fluosilicate

RN

RICHES-NELSON, INC.

Chemicals and Allied Products

342 MADISON AVENUE NEW YORK 17, N. Y.
TELEPHONE: MURRAY HILL 7-7267 CABLE ADDRESS: RICNELCHEM, N. Y.

Monomethylamine—Oil, Fishliver

Monomethylamine, anhydrous, cyl., works, basis 100% lb. .34½- .44½
25%-40%, dms., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz.12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, cns. oz. 9.90 - —
Sulphate, cns. oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs. lb. .75 - .76
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz.35.00 -55.00
synthetic, ambrette, cns., 5-lb lb. 5.65 - 5.75
Ketone, cns., 100 lbs. or more lb. 4.60 - 4.95
25 lbs. lb. 4.70 - 5.05
5 lbs. lb. 4.60 - 5.45
Xylol, cns. lb. 1.60 - 1.80
25 lbs. lb. 1.70 - 1.90
5 lbs. lb. 1.75 - 2.00
Musk root, bls. lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Danish, yellow, bgs. lb. .14½- .15
Dutch, yellow, bgs. lb. .16 - .16¼
English, yellow, bgs. lb. .14½- .15
Montana, brown, bgs., source lb. .06½- .07
Oriental, bgs., source lb. .05¾- .06
yellow, bgs., source lb. .11¾- .12
Washington, yellow, bgs lb. .17 Nom.
Myrobalans, J1, good quality, ex dock ton.54.00 -55.00
J2, ex dock ton.46.00 -47.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., wks., frt. equald. lb. No prices.
tanks, same basis lb. .06¼- .07¼
78°, bgs., c.l., wks., frt. equald. lb. .07 - —
l.c.l., same basis lb. .07¼- —
bbls., c.l., same basis lb. .071 - .08
l.c.l., same basis lb. .0735- .085
dms., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - .075
refined, industrial, bbls., c.l., frt. equald. lb. .12 - —
bgs., c.l., same basis lb. .11½- —
tanks, same basis lb. .11 - —
Naphthalene, refined, balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis. lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton.18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 1.70 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .50 - —
Carbonate, bbls., dlvd. lb. .48 - .50
Chloride, bbls., dlvd. lb. .23 - —
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd. lb. .43½- —
Metal, electro cathodes, cs. lb. .40 - —
Nitrate, bbls., works lb. .24½- .25½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. lb. .18½- —
Nicotinamide, USP, dms., works kilo.11.00 -11.30
Hydrochloride, dms., works kilo.10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm.53.65 - —
tins, 70-lb. cases cs.11.80 - —
Nikethamide, bots., cbys. lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, cbl. dist., dms., c.l lb. .09 - .09¼
l.c.l. lb. .10 - .11
tanks lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
10-25 cps., bbls., c.l., same basis. lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb. .30 - —
Nitrogen solution, tanks, works, N. ton.120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo. unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton. 4.15 + .40
Nitromethane, dms., l.c.l., works lb. .30 - —
Nitropropane, 1, dms., works lb. .30 - —
2, dms., works lb. .30 - —
Nutgalls, Aleppo, bgs. lb. .50 - —
Chinese, bgs. lb. .40 - —
Istrian, bgs lb. .29 - —
Nutmegs, East Indian, bgs., futures, afloat lb. .48 - .49
West Indian, bgs lb. .43½- .44
futures lb. .42 - .43
Nux vomica, bls lb. .08 - .09
powdered, bbls., bxs lb. .11 - .12

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
Bayonne, N. J., tanks gal. .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots lb. 4.45 - 5.00
NF, bots lb. 4.90 - —
Sweet, dms., cns lb. .80 - 1.30
Angelica root, bots lb.120.00 -250.00
Seed, bots lb.110.00 -200.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. .78 - .95
Russian, cns lb. 3.25 - 3.75
Apricot kernel, cns., dms. lb. .48 - .56
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, tanks lb. .23½- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.20 - 2.25
55-60%, cns lb. 1.20 - 2.05
60-65%, cns lb. 2.50 - —
West Indian, 50-55%, cns. lb. 1.20 - 1.65
Bergamot, artif., cns lb. 2.50 - 4.25
natural, Italian, cns. lb. 3.75 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns lb. .95 - 1.76
rectified, cns. lb. 4.25 - —
Bois de rose, Brazil, cns lb. 3.00 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms. lb. 1.75 - 2.00
redistelled, USP, cns lb. 2.20 - 4.50
Calamus, cns lb.20.00 -28.00
Camphor, natural, white, cns. lb. .33 - .43
synthetic, dms lb. .15 - .40
Cananga, native, cns. lb. 3.50 - 3.75
rectified, cns. lb. 4.75 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb.32.00 -36.00
Cassia, USP, cns. lb 1.90 - 3.75
Castor, blown, ret. dms., c.l. lb. .23 - —
cold-pressed, USP, ret. dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
dehydrated, bodied, dms., c.l. lb. .24½- —
l.c.l. lb. .25 - —
tanks lb. .23½- —
unbodied, dms., c.l. lb. .23¼- —
l.c.l. lb. .24 - —
tanks lb. .22½- —
hydrogenated, dms., c.l., works. lb. .30 - —
l.c.l., same basis lb. .31 - —
No. 3, tech., ret. dms., c.l. lb. .20½- —
l.c.l. lb. .21¼- —
tanks lb. .19½- —
sulphonated, 50% (48% fat), dms. lb. .13 - —
75% (60-62% fat), dms lb. .16½- .17¼
Cedarleaf, USP, cns., dms. lb. 1.95 - 2.85
Cedarwood, cns. lb. .45 - .95
dms. lb. .40 - .85
Celeryseed, bots lb.14.00 -16.50
Chaulmoogra, NF, cns., dms lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb.33.00 -73.00
Leaf, Ceylon lb. 1.50 - 1.75
Seychelle lb. 1.20 - —
Citronella, Ceylon, cns lb. .65 - .96
Java, cns. lb. 1.15 - 1.45
Clove, USP, from Madagascar buds, cns., dms lb. 1.10 - 1.30
from Zanzibar buds, cns. lb. 1.45 - 1.60
Coconut, crude, tanks, Atlantic ports lb. .20 - —
Pac. coast lb. .19 - —
refined, Cochin type, tax incl., dms., l.c.l lb. .32½- —
deodorized, tax incl., dms., l.c.l lb. .33½- —
Cod, Newfoundland, dms lb. .22 - .25
Codliver, USP, dms gal. 2.60 - 2.70
Coriander, bots lb.30.00 -40.00
Corn, crude, tanks, works lb. .17 - —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, tanks, mills lb. .20½- —
Costus, bots oz.40.00 - —
Cottonseed, crude, tanks, works. lb. .16½- —
foots, acid 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, dms lb. .25 - —
tankcars lb. .21½- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 - 8.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 6.75 -10.00
Cumin, bots. lb. 6.25 -11.50
Cypress, bots lb.11.00 -15.00
Degras (see D).
Dillseed, bots lb. 9.00 - 9.50
Dillweed, bots lb. 8.50 - 9.25
Dip (see D).
Erigeron, cns lb. 4.00 - 4.25
Eucalyptus, rectified, USP, 80-90%, cns. lb. .80 - 1.45
70-80%, cns. lb. .69 - 1.30
Fennel, sweet, cns. lb. 3.05 - 4.50
Fir, Canada, cns lb. 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms. 1,000,000 units. .16½- —
20,000 to 80,000 A units, dms. 1,000,000 units. .39 - .44
pharmaceutical, 50,000 to 125,000 A units, dms. 1,000,000 units. .35 - .41
pharmaceutical or food, 200,000 A units, dms. 1,000,000 units .45 - .48

DRISOY-AQUALITY VEHICLE

● The value of a paint vehicle is measured by its adaptability to plant scale manufacturing processes, by the stability of its finished products, and by the final quality of the films made with it.

From all these angles Drisoy outside house paints have been under investigation for several years. Drisoy has more than met the expectations of its users. As a grinding oil, it is highly satisfactory. It may also be polymerized and used to replace a bodied linseed oil. The fine light appearance of a Drisoy paint in the can is equivalent to that given by a premium refined linseed oil.

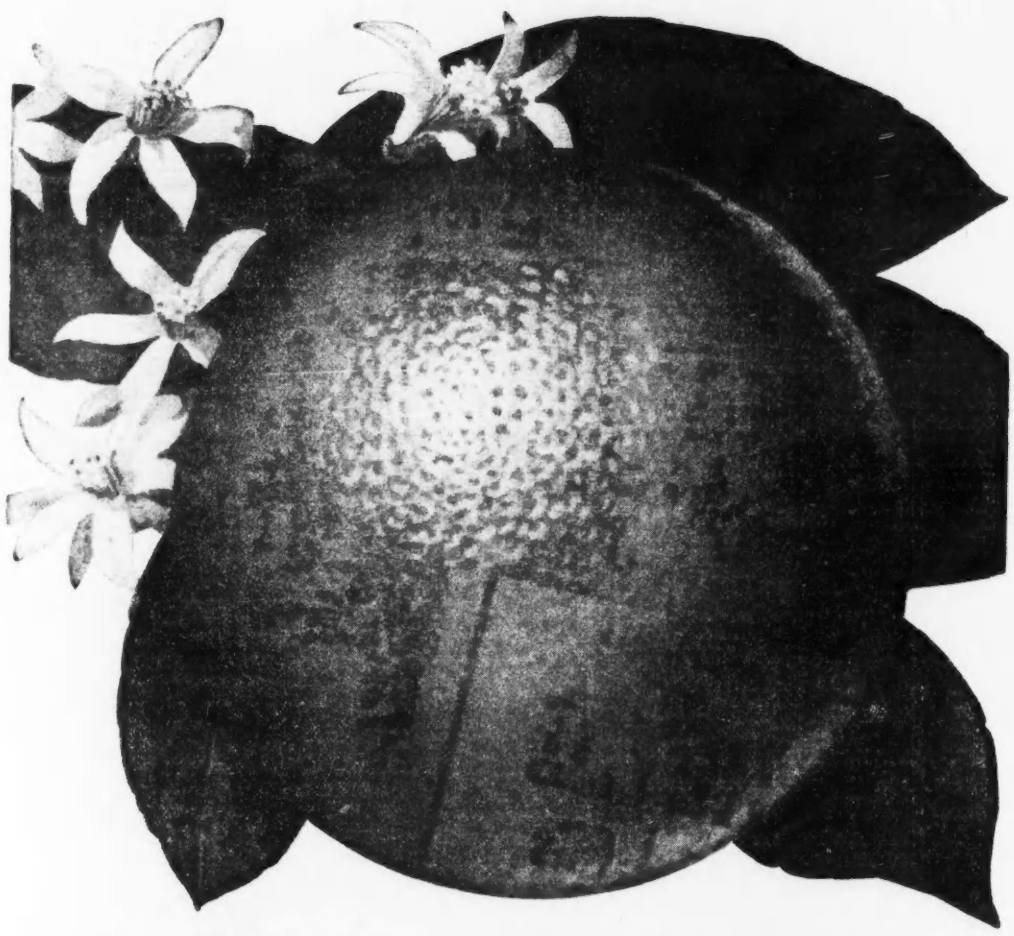
Outside house paint films, in which linseed oil is replaced with Drisoy in any proportion, are all a close match to a 100% linseed oil paint. Chalking is normal for the same exposure periods, without checking or cracking and with no abnormal or undesirable types of failure.

SPENCER KELLOGG and SONS, Inc.

"The First Name in Vegetable Oils"

BUFFALO 5, N. Y.

Oil, fishliver, concentrate, 100,000 A units, dms	1,000,000 units.	.40	.48
200,000 A units, dms.	1,000,000 units.	.45	.48
500,000 A units, dms.	1,000,000 units.	.53	—
1,000,000 A units, dms	1,000,000 units.	.55	—
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots.	oz.	9.00	9.25
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns.	lb.	10.00	-11.50
Bourbon, cns.	lb.	8.25	-15.00
Turkish (see Oil, palmarosa).			
Ginger, dist., bots	lb.	7.50	-13.00
Grapefruit	lb.	1.10	- 2.60
Grease, No. 1, dms.	lb.	.17	- .17½
extra, winter, strained, dms	lb.	.20	- .21
prime, burning, dms	lb.	.22	- .22½
Guaiacwood, cns	lb.	2.05	4.15
Hemlock, cns.	lb.	1.95	2.75
Herring, crude, tanks, Pac. coast.	lb.	No prices.	
Juniper berry, NF VIII, bots	lb.	3.75	- 4.00
twice rectified	lb.	5.50	- 6.00
Tar, USP (see Juniper tar).			
Wood, tech., cns	lb.	.65	1.00
Lard (see Oil, grease).			
Laurel, bots	lb.	9.75	-12.25
Lavandin, cns	lb.	1.30	3.75
Lavender flower, French, 38-42% ester, cns	lb.	3.25	- 4.35
30-32% ester, cns	lb.	2.40	- 3.10
Spike, Spanish, pure, cns.	lb.	1.10	- 2.25
tech., cns.	lb.	1.00	- 2.78
Lemon, natural, USP, Calif., cns.	lb.	2.55	- 2.95
Messina	lb.	2.75	- 3.70
terpeneless, bots	lb.	32.00	-65.00
Lemongrass, cns., dms	lb.	1.60	- 1.75
Lignaloe seed, Mexican, cns	lb.	4.50	- 4.80
Wood, Brazilian (see Oil, bois de rose).			
Mexican, cns	lb.	2.75	- 5.20
Lime, distilled, Mexican, cns	lb.	4.25	- 5.00
West Indian, cns	lb.	4.50	- 6.00
expressed, West Indian, cns	lb.	6.75	-11.25
terpeneless, bot	lb.	35.00	-53.00
Linseed, raw, dms., c.l.	lb.	.2680-	—
l.c.l.	lb.	.2960-	.30
tankcars	lb.	.2760-	.2780
tankwagon	lb.	.2800-	—
Boiled linseed oil .007 higher than raw.			
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks,	gal.	.235	- —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks	gal.	.21	.22
200 vis., No. 3, col., 15-25 pour, tanks	gal.	.18	.19
145-155 vis., No. 3, color, 10-25 pour, tanks	gal.	.235	- —
Penna., W., cylinder, 600-680 flash, tanks	gal.	.33	- .38
cylinder, 600-650 steam refd., tanks	gal.	.37	- —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks	gal.	.37	- .39
200 vis., 25 pour, tanks,	gal.	.39	- .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks,	gal.	.11	- .12
red, 200 vis., 4-6½ pour, tanks	gal.	.11	- .12½
Mace, dist., cns., dms	lb.	4.65	- 8.75
Mandarin, Brazilian, cns	lb.	4.25	- 8.40
Italian, cns	lb.	8.75	- 9.30
Menhaden, crude, tanks, Balto	lb.	.14	- .15
refined, alkali, dms., l.c.l.	lb.	.2090-	—
kettle-bodied, dms., l.c.l.	lb.	.2240-	—
light-pressed, dms., l.c.l.	lb.	.1940-	—
tanks	lb.	.18	- —
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard, synthetic, USP, cns	lb.	1.40	1.60
Seed, expressed, dms.	lb.	.26½	- .27
Neatsfoot, 15°, dms	lb.	.41	- —
20°, dms	lb.	.40	- —
30°, dms	lb.	.53	- —
Neroli, French, bots	lb.	75.00	-200.00
Haitian, bots	lb.	175.00	-200.00
Niaouli, cns	lb.	2.65	- 3.25
Nutmeg, dist., cns	lb.	4.65	- 8.75
Ocotea cymbarum, dms.	lb.	.48	- 1.15
Oiticica, liquid, dms., c.l.	lb.	.18	- .18½
l.c.l.	lb.	.18½	- —
tanks	lb.	.18	- .18½
Oleo, extra, tcs	lb.	.24	Nom.
Olibanum, bots	lb.	4.50	- 6.25
extra fine	lb.	6.25	-10.50
Olive, denat., dms.	gal.	3.25	- 3.35
edible, Calif., dms.	gal.	4.00	Nom.
Spanish, dms., duty paid	gal.	4.50	- 4.75
Moroccan, dms., same basis,	gal.	4.10	- 4.25
foots, dms	lb.	.23	- .23½
tankcars	lb.	.22	- —
sulphonated, 50% (40% fat), dms., c.l	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
75% (62% fat), dms., c.l	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
Orange, sweet, natural, dist., cns	lb.	.75	- 1.00
expressed, USP, Brazilian, cns.	lb.	1.25	- 1.95
Calif., cns	lb.	1.25	- 1.75
Florida, cns., dms.	lb.	.72	- 1.00
Messina, coppers	lb.	3.50	- 5.50
West Indian, cns	lb.	2.25	- 3.75
sesquiterpeneless, bots	lb.	55.00	-135.00
Origanum, Spanish, cs	lb.	2.40	- 3.50
Palm, Congo, dms	lb.	.22½	- .23
Palmarosa, cns	lb.	6.50	- 9.00
Palmkernel, crude, bulk, cif. NY	lb.	No prices.	
Paraffin, pale 100-110 vis. at 100° F, tanks, works	gal.	.10	- —
Patchouli, dms.	lb.	6.00	-18.00
Peanut, crude, tanks, works	lb.	.17½	- —
foots, acid, 95%, tanks, dlvd. E	lb.	.07½	Nom.
raw, 50%, tanks, dlvd. E	lb.	.03¾	Nom.
refined, tanks, dlvd. E	lb.	.22	- —
drums	lb.	.25	- —
Pennyroyal, USP, dom., dms., cns	lb.	No stocks.	
imported, cns.	lb.	2.50	- 2.55
Peppermint, natural, dms	lb.	6.90	- 7.95
redist., USP, dms	lb.	7.15	- 8.30
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.35	- 4.30
Pimento berry, dms	lb.	4.25	- 6.50
leaf, cns.	lb.	1.50	- 3.25
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.60	- .69
l.c.l., works, South	gal.	.61	- .70
dms., incl., c.l., works, South	lb.	.07½	- —
l.c.l., works, South	lb.	.08	- —
ex whse., N. Y. C	gal.	.70	- —
ex whse., N. Y. C	lb.	.09½	- —
tanks, works, South	gal.	.60	- —
tanks, works, South	lb.	.062	- —
steam-dist., dms., ex whse., East	lb.	.095	- —
non-ret. dms., incl., l.c.l., ex whse., N. Y. C	gal.	.86	- —
Pineneedle, Siberian, cns	lb.	2.65	- 3.75
Swiss, 25-lb. cans	lb.	4.00	-14.50
Putty, petroleum, heavy, dms	gal.	.18	- —
tankwagon	gal.	.13½	- —
light, dms	gal.	.16½	- —
tankwagon	gal.	.12½	- —
Oil, rapeseed, tankcars	lb.	.24	Nom.
Red, single dist., dms	lb.	.18¾	- .19¾
tanks	lb.	.17½	- —
saponified, dms.	lb.	.18	- .19
double dist., dms.	lb.	.21¼	- .22¼
tanks	lb.	.20	- —
Rose, natural, coppers	oz.	16.00	-40.50
Rosemary, Spanish, tech., cns., dms	lb.	.75	- 1.50
USP, cns., dms	lb.	1.00	- 1.60
Rosin, first rectified, dms	gal.	.66	- —
2d rectified, dms	gal.	.68	- —
3d rectified, dms	gal.	.78	- —
Rue, bots	lb.	3.25	- 5.00
Sage, clary, bots.	lb.	14.50	-16.00
Dalmatian, cns.	lb.	2.80	- 3.10
Spanish, cns.	lb.	1.70	- 3.50
Sandalwood, NF, cns.	lb.	13.00	-16.30
Sardine, crude, tanks, Pac. coast.	lb.	.14	- —
refined, alkali, dms., l.c.l.	lb.	.2090-	—
kettle-bodied, dms., l.c.l.	lb.	.2240-	—
light-pressed, dms., l.c.l.	lb.	.1940-	—
tanks	lb.	.18	- —
Sassafras, artificial	lb.	.45	- .55
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP XII, cns., dms.	lb.	1.80	- 2.30
Savin, cns	lb.	4.00	- 4.25
Savory, cns	lb.	8.00	- —
Seal, No. 1, tanks, U. S. ports	lb.	No prices.	
Sesame, tanks	lb.	No prices.	
Shingle stain, bbls., c.l., works	gal.	.2185-	—
l.c.l., works	gal.	.25	- .29
tanks, works	gal.	.15	- .16
Soybean, crude, tanks, mills	lb.	.16¾	- .17
foots, acid, 95%, tanks, dlvd. E	lb.	.07½	Nom.
raw, 50%, tanks, dlvd. E	lb.	.03¾	Nom.
Savin, cns	lb.	4.00	- 4.25
Savory, cns	lb.	8.00	- —
Seal, No. 1, tanks, U. S. ports	lb.	No prices.	
Sesame, tanks	lb.	No prices.	
Shingle stain, bbls., c.l., works	gal.	.2185-	—
l.c.l., works	gal.	.25	- .29
tanks, works	gal.	.15	- .16
Soybean, crude, tanks, mills	lb.	.16¾	- .17
foots, acid, 95%, tanks, dlvd. E	lb.	.07½	Nom.
raw, 50%, tanks, dlvd. E	lb.	.03¾	Nom.
Oil, soybean, refined, alkali, dms., c.l	lb.	.2102-	—
l.c.l.	lb.	.2182-	—
tanks	lb.	.1982-	—
clarified, dms., c.l.	lb.	.1982-	—
l.c.l.	lb.	.2062-	.2102
tanks	lb.	.1862-	—
winterized, refined, tankcars, dlvd. East	lb.	.20¼	- —
drums	lb.	.23	- .23½
Spearmint, dms	lb.	5.00	- 9.00
Sperm, bleached winter 45° tankcars	lb.	21.7	- —
drums	lb.	22.70	-23.20
natural winter 45°, tankcars	lb.	.20½	- —
drums	lb.	.21½	- .22
Spruce, cns., dms.	lb.	1.95	- 2.75
Sunflower-seed, imp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Sweet birch, Northern, cns	lb.	4.50	- 8.00
Southern, cns.	lb.	1.95	- 3.25
Tall, crude, tanks, works	ton.	40.00	- —
refined, dms., c.l., works	lb.	.06¾	- —
l.c.l., works	lb.	.07	- —
tanks, works	lb.	.06¾	- —
Tallow, acidless, dms	lb.	.17	- .17½
Tansy, cns	lb.	9.00	-14.00
Tar, pine, com'l, dms, incl., c.l., works, South	gal.	.41	- .43½
l.c.l., works, South	gal.	.43	- .45½
whse., N.Y.C.	gal.	.52¼	- .54¾
tanks, works, South	gal.	.32	- .34½
rectified, USP, l.c.l., dms., incl., works, South	gal.	.60	- —
Tar acid (see T).			
Teaseed, dms.	lb.	.26	- .27
Thyme, NF, red, cns	lb.	2.15	- 3.35
white, cns.	lb.	2.40	- 3.80
technical, white, cns	lb.	.35	- 1.00
Oil, tung, dms., c.l	lb.	.23½	- —
l.c.l.	lb.	.24	- —
tanks	lb.	.22	Nom.
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms	lb.	.30	- .53
Vetiver, Bourbon, cns.	lb.	9.50	-45.00
Haitian	lb.	10.50	-20.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, dms	gal.	10.00	-13.50
White mineral, tech., 50 vis., non-ret, dms., c.l., San Francisco	gal.	.51½	- —
l.c.l., S.F.	gal.	.53½	- .56½
50-65 vis., dms., c.l., N.Y.	gal.	.45	- —
l.c.l., N.Y.	gal.	.48	- .52
65-75 vis., dms., c.l., N.Y	gal.	.48	- —
l.c.l., N.Y.	gal.	.51	- .55
70 vis., non-ret. dms., c.l., S.F.	gal.	.51½	- —
l.c.l., S. F.	gal.	.53½	- .56½
USP, 80-90 vis., dms., c.l., N. Y.	gal.	.52	- —
l.c.l., N. Y.	gal.	.55	- .59
85 vis., non-ret. dms., c.l., S. F.	gal.	.51½	- —
l.c.l., S. F.	gal.	.53½	- .56½
100 vis., non-ret. dms., c.l., S. F.	gal.	.59	- —
l.c.l., S. F.	gal.	.61	- .64
125-135 vis., dms., c.l., N. Y.	gal.	.64	- —
l.c.l., N. Y.	gal.	.67	- .71
145 vis., non-ret. dms., c.l., S.F.	gal.	.68	- —
l.c.l., S. F.	gal.	.70	- .76



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Give it all your tests for *quality, uniformity* and *strength*. Then you'll buy Exchange Brand.

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Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.

Oil, White Mineral—Perchloroethylene

Oil, white mineral, USP, 145-155 vis., dms., c.l., N.Y. gal. .66 - —
l.c.l., N. Y. gal. .69 - .73
175-185 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y. gal. .72 - .76
180 vis., non-ret. dms., c.l., S.F. gal. .70 - —
l.c.l., S. F. gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .73 - —
l.c.l., N. Y. gal. .76 - .80
335-345 vis., dms., c.l., N. Y. gal. .81 - —
l.c.l., N. Y. gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F. gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 3.00 -14.50
Southern, cns lb. 3.65 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns. lb. 3.25 - 4.00
Wormwood, cns. lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots. lb. 8.00 -25.00
first, bots lb. 8.00 -15.00
second, bots lb. 5.00 -10.00
third, bots lb. 3.00 - 3.25
Olein, crude (see Oil, red).
low titre, dms. lb. .21¾- .22¾
tankcars lb. .20½- —
white, dms. lb. .21¼- .22¼
tankcars lb. .20 - —
Oleostearin, bbls lb. .18 Nom.

Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works ton.12.00 - —
lumps, bulk, c.l., works ton. 7.00 - —
Opium, USP, cns. lb.19.20 -19.45
gran., USP, cns. lb.21.65 -21.90
powd., USP, cns. lb.21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .31½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2760- —
Molybdate lb. .43 - —
Persian, bbls lb. .30 - .45
Orange flowers, bls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .16
Oregano, Mexican, bgs lb. .16 - .16½
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs. lb. .16 - .16½

Orris root, Florentine, bls. lb. .26 - .27
powdered, bbls., bxs. lb. .30 - .31
Verona, bls lb. .18 - .19
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoamylphenol, dms., c.l., works, lb. .42 - —
Orthoanisidin, bbls lb. .30 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .81
Orthochlorophenol, dms lb. .28 - —
Orthocresol, pure, 30° dms., c.l., works lb. .26 - .35
l.c.l., works lb. .26½- .35½
tech., 20°, dms., c.l., works lb. .24½- —
l.c.l. lb. .25 - —
29°-30°, dms., c.l., works lb. .25 - .34
l.c.l., works lb. .25½- .34½
25°-27°, dms., c.l., works lb. .26 - .26¼
l.c.l., same basis lb. .26¾- —
tanks, same basis lb. .27½- —
Orthodichlorobenzene, cns., 50-lb lb. .12½- —
100-lb. lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see IPC).
Orthonitroanilin, dms lb. .50 - .52
Orthonitrochlorobenzene, dms. lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —

Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, dms lb. .66 - .77
Orthonitrotoluene, dms. lb. .12 - —
Orthophenetidin, dms lb. .90 - —
Orthotoluidin, dms lb. .18 - .20
Orthotolidin, distilled, kgs lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. 15½- —
Ouabaine, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs. works lb. 6.40 —
smaller lots, works lb. 6.55 7.40

P

Papain, powd., cs lb. 3.60 - 4.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 7.35
Paprika, Chilean, bgs lb. .25 - .26
Portuguese, bgs. lb. .32 - .33
Spanish, bgs lb. .42 - .43
Para-anisidin, dms., works lb. .80 —
Parachlorophenol, dms., c.l., works, lb. .27 - —
l.c.l., works lb. .28 - .33
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms lb. No stocks.
Paracresol, 98%, dms., works lb. .48 - .65
92%-94%, dms., works lb. 45 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0690- —
122-124 ASTM, loose, c.l., ref'y. lb. .07 - —
125-127 ASTM, loose, c.l., ref'y. lb. .0710- —
128-130 ASTM, loose, c.l., ref'y. lb. .0730- —
130-132 ASTM, loose, c.l., ref'y. lb. .0735- —
132-134 ASTM, loose, c.l., ref'y. lb. .0760- —
135-137 ASTM, loose, c.l., ref'y. lb. 08 - —
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, dms., 1,000 lbs., works lb. .24 - —
smaller lots, works lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13½
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .11 - —
USP, cbys lb. .51 - .53
Paranitroanilin, kgs., works lb. .44½- —
Paranitrochlorobenzene, kgs., works. lb. .18 - —
Paranitrophenol, kgs., works, frt. equald lb. 40 - —
Paranitrotoluene, kgs., works lb. .39 - —
Paraphenylphenol, bgs., works lb. .27 - .28
Paraphenylenediamine, tech., kgs., works lb. 1.30 - —
Paratertiarybutylphenol, bgs., works, lb. .19 - .20
Parathion tech., dms., c.l., works lb. 2.50 - —
l.c.l., works lb. 2.55 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - .63
Pareira brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .40 - .41
powder, bxs lb. .42 - .43
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E lb. .31 - —
l.c.l., same basis lb. .32 - .33
Passion flower herb, bls lb. .26 - .28
Patchouli leaves, bls lb. .45 - .50
Peanut meal, 41% packed, mills ton.61.00 - —
Pectin, citrous, bbls lb. 1.25 - —
Penicillin, bulk, calcium, Romansky, 500,000,000 to 5,000,000,000 units 100,000 units. .06½- .08¾
Potassium, crystalline, same quantity 100,000 units. .08 - .09¼
Procaine G, same quantity 100,000 units. .09 - .09¾
Sodium, crystalline, same quantity 100,000 units. .09 - .09¾
distributors' unlabeled, potassium crystalline, bots., 100,000 units bot. .16 - —
200,000 units bot. .24½- —
500,000 units bot. .50 - —
1,000,000 units bot. .92½- —
Sodium, amorphous, 100,000 unit bot bot. .16 - —
200,000 units bot. .25 - —
500,000 units bot. .52 - —
1,000,000 units bot. .97 - —
crystalline 100,000 units bot. .16½- —
200,000 units bot. .25½- —
500,000 units bot. .52½- —
1,000,000 units bot. .97½- —
Procaine G in oil, 10 cc vials, 300,000 units per cc vial. 3.60 - —
Pennyroyal leaves, bls. lb. .28 - .30
Pentachlorophenol, dms., works lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .34 - .36
For di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3. gal. .10½- .11¼
Pepper, black, bgs lb. .77 - .79
futures, bgs., nearby lb. .75 - .76
distant, new crop lb. .55 - .60
Red, capsicum, Louisiana longs, bgs., shipment point lb. .18 Nom.
Hontaka, bgs., futures lb. .53 - .54
Mombasa, futures, bgs lb. .40 - .41
Niger, bgs lb. .34 - .35
birdseye, bgs. lb. .50 - .51
Sierra Leone, futures lb. .23 Nom.
Chillies, Haitian, bgs lb. No stocks.
Mexican, long lb. No stocks.
White, bgs. lb. .81 - .82
Peppermint, USP, dom., bls lb. .60 - .65
imported, bls. lb. .75 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld lb. .10¾- —
zone 2, same basis lb. .11¼- —
zone 3, same basis lb. .11¾- —
zone 4, same basis lb. .11¼- —
l.c.l., zone 1, same basis lb. .11¼- —
zone 2, same basis lb. .12 - —
zone 3, same basis lb. .12½- —
zone 4, same basis lb. .12 - —

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Oil of Orange
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Perchloroethylene, tanks, zone 1, same basis lb. .10¼- —
zone 3, same basis lb. .11¼- —
zone 4, same basis lb. .10¾- —

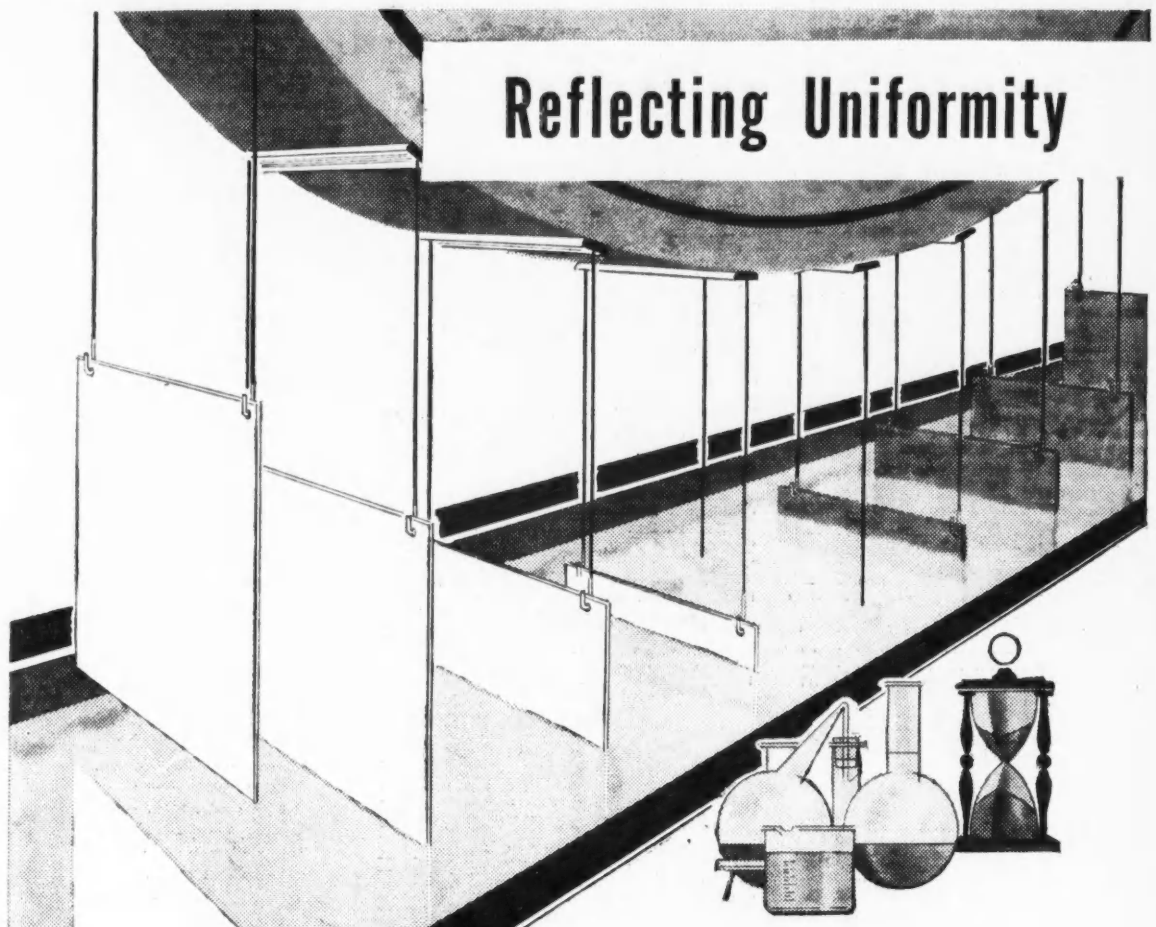
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah Wash.

Peru balsam, dms lb. .85 1.05
Petrolatum, tech., dark, bbls., c.l., group 3 lb. .021 —
t.o.b. Indiana refy lb. .04½- —
golden topaz, bbls., c.l. lb. .032 - —
l.c.l. lb. .036 - —
red, veterinary, bbls., c.l. lb. .024 - —
l.c.l. lb. .028 - —
USP, amber, non-ret, dms., c.l lb. .04¾- —
Pennsylvania refy lb. .04½- —
l.c.l. lb. .05⅞- —
California refy lb. .08¼- —
cream, c.l., dms lb. .06½- —
l.c.l. lb. .08⅛- —
extra, amber, dms., c.l lb. .05 - —
Pennsylvania refy lb. .04¾- —
l.c.l. lb. .06¼- —
white, lily, dms., c.l lb. .05¾- —
l.c.l. lb. .06⅞- —
snow, dms., c.l lb. .07¾- —
Pennsylvania refy lb. .07⅛- —
l.c.l. lb. .09⅜- —
California refy lb. .12 - —
soft, dms., c.l lb. .06½- —
Pennsylvania refy lb. .06⅞- —
l.c.l. lb. .07⅛- —
California refy lb. .10¼- —
yellow, soft, dms., c.l lb. .04⅝- —
Pennsylvania refy lb. .04⅞- —
l.c.l. lb. .06 - —
California refy lb. .08⅜- —
Petroleum, crude, bulk, at wells, California bbl. 1.94 2.38
Illinois bbl. 2.65 2.77
Kentucky bbl. 2.60 2.77
Louisiana-Arkansas bbl. 2.14 - 2.75
Montana bbl. 2.50 - 2.65
Oklahoma-Kansas bbl. 2.23 - 2.65
Pennsylvania, lower field bbl. 4.50 - 5.00
Upper field bbl. 3.10 - 4.50
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.23 - 2.93
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.22
Wyoming bbl. 1.90 - 2.65
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. 26 - —
l.c.l., same basis gal. 44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. 26 - —
l.c.l., same basis gal. 44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. 26 - —
l.c.l., same basis gal. 44 - —
90°-160° C, ret. dms., ex-tax, f.o.b. San Francisco gal. 57 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery bbl. 2.15 - 2.40
light, tanks, refinery bbl. 2.45 - 2.60
Eastern, tanks, Albany, N Y bbl. 3.249 - —
Baltimore, Md. bbl. 2.33 - —
Boston, Mass. bbl. 2.355 - 3.315
Charleston, S. C. bbl. 2.76 - —
Jacksonville, Fla. bbl. 2.79 - 2.99
New York, N. Y. bbl. 2.83 - 2.90
Norfolk, Va. bbl. 2.30 - —
Philadelphia, Pa. bbl. 2.83 - 2.85
Portland, Me bbl. 2.33 - —
Providence, R. I. bbl. 2.33 - —
Savannah, Ga bbl. 2.79 - —
Diesel, tanks, refinery, California gal. .033 - .104
Pennsylvania gal. .11 - .12
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0375- —
No. 3 gal. .035 - —
Bayonne, N. J., No. 2 gal. .091 - —
Group 3, No. 1 gal. .08375- .09375
No. 1, straw gal. .08375- .0925
No. 2, straw gal. .08625- .09125
range gal. .09125- .09375
Pennsylvania, No. 1 gal. .1125- .125
No. 2 gal. .11 - .125
No. 3 gal. .11 - .12
Lacquer diluent, California, 170-255 F, b.r., tanks, ex-tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, benzol-type, tanks, refinery gal. .1225- .13
toluol-type, tanks, refinery gal. .1225- .13
Mineral spirits, California, 170-255 b.r., tanks, ex-tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .1025- .113
tankwagon, Baltimore gal. .175 - —
Boston gal. .16 - —
Buffalo gal. .165 - —
Camden, N. J. gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
Kansas City, Mo. gal. .182 - —
Lancaster, Pa. gal. .16 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —
Washington, D. C. gal. .175 - —
Naphtha, cleaners, California, tanks, San Francisco gal. .123 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .10625- .12
tankwagons, St. Louis gal. .1470- —
Newark gal. .15 - —
Chicago gal. .14¼- —
Detroit gal. .15¼- —
New York gal. .15 - —
Philadelphia gal. .15 - —
high-flash, 140° F. group 3, refinery, tanks gal. .13 - .145

Petroleum, naphtha, cleaners, high-solvency, tanks, refinery, 200-285 b.r., 37-38° C, mixed anilin pt. gal. .22 - —
25-26° C, m.a.p. gal. .21 - 26½
270-370 b.r., 78-81° C, m.a.p. gal. .24½ 26
270°-370° b.r., 49° C, m.a.p gal. .29 - —
26° C. m.a.p gal. .21 26
300-400 b.r., 26-32° C, m.a.p. gal. .21 - 23½
340-410 b.r., 32° C, m.a.p. gal. .21 —
36° C, m.a.p gal. .21 - 23½
340-440 b.r., 32° C, m.a.p. gal. .26½- —
360-490 b.r., 25° C, m.a.p. gal. .21 —
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 —
Group 3, tanks gal. .1125- 12
Gulf coast, tanks, New Orleans gal. .12375- —
tankwagon, Boston gal. .175 - —
Chicago gal. .205 - —
Detroit gal. .221 - —
Milwaukee gal. .207 - —
Minneapolis gal. .205 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .199 - —
Petroleum solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3, tanks gal. .11 - .1175
Stoddard, California, tanks, ex tax, San Francisco gal. .142 - —
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .11 - .1175
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston gal. .16 - —
Chicago gal. .15½- —
Detroit gal. .17½- —
Milwaukee gal. .16½- —
Minneapolis gal. .164 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .15 - —
St. Louis gal. .17 - —
Syracuse gal. .17 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. .15¼- —
t.c.l., works lb. .15½- —
tanks, works lb. .12¾- —
50% sulphonic content, ret. dms., c.l., works lb. .12¼- —
t.c.l., works lb. .12½- —
tanks, works lb. .10¾- —
Phenobarbital, dms, 100 lbs. lb. 4.00 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald lb. .13½- .14½
l.c.l., same basis lb. .14¼- .15¼
tanks, same basis lb. .12½- .13½

Perchloroethylene—Phenylmethylpyrazolone

82-84% (cresol, 16-18%), dms., c.l., same basis lb. .14¼- .15
l.c.l., same basis lb. .15 - .15¾
tanks, same basis lb. .13¼- .14
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .14½- .15
tanks, same basis lb. .12½- —
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs lb. 1.00 —
smaller lots lb. 1.01 1.04
Phenothiazin, NF, fib, dms., ton lots, works lb. .49 —
smaller lots, works lb. .54 —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 2.75
pure, bots lb. 4.00 4.80
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.45 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.65 2.70
Phenylethylphenyl acetate, bots lb. 4.50 6.00
Phenylhydrazin base, CP, bots lb. 3.00 3.07
Hydrochloride, CP, bots., works. lb. 5.00 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 1.60



LIQUID DRIERS
Uversel Liquids
Linoresinate Liquids
Linoleate Liquids
Lithos
Octasols
Pastes
Pastells

SOLID DRIERS
Uversel Solids
Linoresinate Solids
Linoleate Solids
Soyate Solids
Fused Resinates

POWDERED DRIERS
Precipitated Resinates
Drying Salts:
Cobalt
Lead
Manganese
Zinc

HARSHAW

HARSHAW DRIERS

Every precaution is taken to maintain and protect the high quality and dependable uniformity of Harshaw Driers. The reflection of quality in your protective coatings is of equal importance to both of us. All Harshaw Driers are checked carefully for standard requirements of metal content, viscosity, color and stability. Continue to send your orders for Driers to the nearest Harshaw Branch for prompt shipment from their stocks.

THE HARSHAW CHEMICAL CO.
1945 E. 97th Street, Cleveland, Ohio
BRANCHES IN PRINCIPAL CITIES

Phloroglucinol—Silica

Phloroglucinol, CP, fib. dms., works lb. 13.75 - 15.75
commercial fib. dms., works lb. 7.00 - 8.00
tech., fib., dms. lb. 10.00 - 10.75
Phosgene, 150-lb. cyls., works lb. .20½ - .27
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 4.61 - —
70%-68%, b.p.l., c.l. same basis long ton. 5.01 - —
72%-70%, b.p.l., c.l., same basis long ton. 5.31 - 5.61
75%-74%, b.p.l., c.l., same basis long ton. 6.31 - 6.51
77%-76%, b.p.l., c.l., same basis long ton. 7.31 - —
finely ground, 65.5% b.p.l., basis 30% P_2O_5 minimum short ton. 5.78 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.98 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 6.93 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5 long ton. 6.00 - —
80-29% P_2O_5 long ton. 6.75 - —
Phosphorus, red, amorphous, cs. lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½ - .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 - .16
Phthalamide, bbls., works lb. .35 - .40
kgs., works lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .22½ - —
Pacific Coast, dlvd lb. .22 - .24¼
l.c.l., frt. equald lb. .23½ - —
Pacific Coast, dlvd lb. .24 - .26¼
Pichi leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials oz. 6.50 - 7.50
Nitrate, bots., vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .24 - .24½
Pinetar, retort, dms. incl., c.l., works, South gal. .43½ - —
l.c.l., same basis gal. .45½ - —
whse., N.Y.C. gal. .54¾ - —
tanks, works, South gal. .34½ - —
Pinkroot, bls. lb. 1.95 - 2.00
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 - 87.00
Cottonseed, dms., works lb. .10½ - .10¾
Hardwood, paper bgs., works lb. .04 - —
Linseed, dms lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East, 100 lbs. 6.90 - —
Soybean, dms., works lb. .10¼ - .10½
Plaster of paris (see Gypsum).
Platinum metal, works oz. 89.00 - 93.00
Pleurisy roots, bls. lb. .25 - .26
Podophyllin, dms lb. 14.25 - —
Pokeroot, bls. lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld lb. .33 - —
20,000 lbs., same basis lb. .34 - —
smaller lots, same basis lb. .35 - .42
water-clear, dms., 30,000 lbs., works, frt. alld lb. .27 - —
20,000 lbs., same basis lb. .28 - —
smaller lots, same basis lb. .29 - .35
Pomegranate root bark, bgs lb. .75 Nom.
Poppy flowers, bls lb. .50 - .55
Seed, Danish, bgs., futures lb. .24½ - .25
Dutch, bgs lb. .20½ - .21
Turkish, bgs lb. .13½ - .14
futures, bgs lb. .13 - .13½
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works, 100 lbs. 9.60 - —
l.c.l., works 100 lbs. 10.35 - —
liquid, dms., c.l., works, 100 lbs. 9.00 - —
l.c.l., works 100 lbs. 9.75 - —
tanks, works 100 lbs. 8.25 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.00 - —
l.c.l., works 100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works lb. .0785- —
l.c.l., works lb. .0860- —
liquid, 45% basis, dms., c.l., works lb. .03575- —
l.c.l., same basis lb. .0395- —
tanks, same basis lb. .03¼- —
solid, 88-92%, dms., c.l., works, lb. .07¼ - —
l.c.l. lb. .08 - —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - —
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., c.l., works lb. .12¾ - —
l.c.l. lb. .12⅞ - .13
Potassium bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works, ton. 200.00 - —
ton lots, works ton. 218.50 - —
less ton lots, works ton. 223.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .48 - —
25-200 lbs. lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .07½ - —
l.c.l., same basis lb. .08 - —
hydrated, 83-85%, bbls., c.l., works lb. .06 - —
dms., l.c.l., works lb. .06½ - —
USP, gran., bbls., dms lb. .16½ - .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08¼ - —
l.c.l., works lb. .09¾ - —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
export, kgs., 1 to 10 tons, ex whse. lb. .12 - —
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½ - .42¼
Potassium citrate, USP, powd., 2c. per lb. higher.
Potassium, cyanide, dms., works lb. .55 - —
Fluoride, dms., works lb. .24 - —
Glycerophosphate, 75% solution, chys. lb. 2.05 - 2.20
Sulphonate, NF, dms. lb. 1.60 - 1.85
Potassium hydroxide, tech. (see Potash, caustic), USP, pellets, jars lb. .33 - —
Hypophosphite, 50-lb. lots lb. .90 - .93
Iodide, dms. lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphate, gran., bbls lb. .19 - .21
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½ - —
Trona, Cal unit-ton. .45½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls. lb. .30 - —
Perchlorate, kgs., c.l., works lb. .13½ - —
dms., l.c.l., works lb. .14 - .15
Permanganate, tech., kgs., works, lb. .21¾ - .22¼
USP, dms., works lb. .20 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., works lb. .13 - .13½
Prussiate, red, kgs lb. .55 - .58
Yellow, bbls lb. .19 - —
Ricinoleate, tech., bbls lb. .18 - —
Silicate, glass, bgs., c.l., works, ton. 200.00 - —
l.c.l. 100 lbs. 15.25 - —
Solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, flask. 92.00 - 93.00
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Sulphate, NF, cryst., bbls lb. .31 - .33
gran., dms lb. .14 - .15
agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90% works ton. 32.50 - —
indust., bulk, works ton. 36.00 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms lb. .70 - .78
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼ - —
1 ton or less, works lb. .12½ - 13
Xanthate, dms., c.l. lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works ton. 14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., dms. lb. .50 - .55
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½ - .55
Prickly ash bark, bls lb. .28 - .33
Berries, bgs. lb. No stocks.
Prince's pine herb, bls lb. .55 - .60
Procaine hydrochloride, cns., 200-lb. lots lb. 4.75 - —
smaller lots lb. 5.00 - 5.75
Propane, commercial grade, tanks, group 3 gal. .06 - —
Propionaldehyde, dms., c.l., works, lb. .16½ - —
l.c.l., works lb. .17 - —
tanks, works lb. .16 - —
Propyl acetate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .18 - —
tanks, works lb. .15 - —
tankwagons, works lb. .15½ - —
Aldehyde (see Propionaldehyde).
Propylene dichloride, dms., c.l. lb. .08½ - —
l.c.l. lb. .09½ - —
smaller containers lb. .12½ - —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .20½ - —
l.c.l., frt. alld. E lb. .21½ - —
tanks, frt equald. E lb. .18½ - —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½ - —
l.c.l., same basis lb. .17½ - —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Propylthiouracil, bots., works kilo. 50.00 - —
Psyllium seed, black, bgs lb. .30 - .35
blonde, bgs lb. .23 - .26
husks, bgs lb. .65 - .70
Pulsatilla herb, bls lb. .55 - .60
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots, lb. .03½ - .04
Chicago, bgs., ton lots lb. .04½ - —
smaller lots lb. .03½ - .04¼
fine, bgs., ton lots lb. .03½ - —
smaller lots lb. .03½ - .04
Italian, silk-screen, fine, bgs., ton lots lb. .04 - —
coarse, bgs., ton lb. .05½ - —
sun dried, fine, bgs., ton lots lb. .03 - —
coarse, bgs., ton lots lb. .04½ - —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs lb. .25 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 7.25 - 7.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 5.75 - —
regular base, dms., works, gal. 5.65 - —
liquid (30 to 1), base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 9.55 - —
regular base, dms., works, gal. 9.43 - —
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .26 - .28
powder, 1.3% pyrethrins, bbls., works lb. .38 - —
Pyridin, denaturing ret. dms., works and frt. equald. gal. 2.49 - 2.52
refd., 2° non-ret. dms., c.l., same basis lb. .69 - .70
l.c.l., same basis lb. .69½ - .80
ret. dms., l.c.l., same basis lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. All ports, long-ton. 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 - 11.50
230 mesh bulk, c.l., mines ton. 12.00 - —
325 mesh, bulk, c.l., mines ton. 14.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton. 9.50 - —
Insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 - 10.00
rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, es., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, es., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l. lb. .17½ - —
liq., 35% tannin, bbls., works, lb. .09½ - —
tanks, same basis lb. .09 - —
solid, 64% tannin, bgs., c.l., duty extra lb. .13½ - —
powd., 70% tannin, bgs., c.l., same basis lb. .18 - —
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis, lb. .1275- —

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs lb. .12 - .13
Quercitron crystals, bbls., l.c.l. lb. .32½ - —
Extract, liquid, bbls., l.c.l. lb. .14½ - —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, flask. 93.00 - 95.00
Quince seed, bgs lb. .95 - 1.75
Quinindine, NF, V, cryst., cns. oz. 1.30 - —
powd., precip., cns oz. 1.22 Nom.
Sulphate, USP, cns oz. .95 - —
Quinine, NF, cns., 100 ozs. oz. 1.00 - —
Arsenate, cns., 100 ozs oz. 1.30 - —
Bisulphate, USP, cns., 100 ozs oz. .73 - —
Dihydrobromide, bots., 50 ozs. oz. 1.00 Nom.
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Formate, cns., 100 ozs oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz. cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. oz. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.40 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, ctns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80½ - —
Tannate, USP, X, cns., 100 ozs. oz. .60 Nom.
Valerate, NF, IV, 100 ozs. oz. 1.25 - —
Quinine-urea hydrochloride, NF, cns. oz. .97 - —
Quinolin, dms., c.l., works lb. .54½ - .55
l.c.l., works lb. .55 - .55½

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.45 - 2.25

Prices 1½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¾c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis, lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).

Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11¼ - .11¾
Iron oxide, synth., bgs lb. .11½ - .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼ - .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½ - .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾ - .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½ - .05¾
l.c.l., ex dock lb. .05¾ - .06
ex whse., New York lb. .06½ - —
grade 2, bbls., c.l., ex dock lb. .05¼ - .05¾
l.c.l., ex dock lb. .05½ - .05¾
ex whse., New York lb. .06¼ - —
Red, toluidin toner, alizarin lake, kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½ - —
Tuscan, bbls., frt. equald lb. .24½ - .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .31½ - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls lb. .35 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Rhatany root, bgs lb. .09 - .10
Rhubarb root, whole, cs lb. .80 - .95
powd., bbls lb. .85 - 1.05
Riboflavin, USP, bots kilo. 125.00 - —
95%, bots kilo. 118.75 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif lb. .79 - —
Rochelle salt, gran., powd., bbls. 5,000 lbs. lb. .31½ - —
smaller lots lb. .32 - —
Rose flowers, pale, bls lb. .23 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07½ - .08
Spanish, bls lb. .06½ - .09
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 5.00 - —
FF, dms., c.l., works 100 lbs. 5.50 - —
G, H, I, dms., c.l., works 100 lbs. 7.72 - —
K, dms., c.l., works 100 lbs. 7.72 - —
M, dms., c.l., works 100 lbs. 7.72 - —
N, dms., c.l., works 100 lbs. 7.80 - —
WG, dms., c.l., works 100 lbs. 7.85 - —
WW, dms., c.l., works 100 lbs. 8.06 - —
X, dms., c.l., works 100 lbs. 8.17 - —
Rotenone, cryst., bbls., works lb. 18.00 - 20.00
Powder (see Cube root).
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .40 - .45
Rutin, 10 kilos gram. .16½ - —
5 kilos gram. .17 - —
smaller lots gram. .17½ - .21½

S

Sabadilla seed, powd., bbls lb. .40 - .45
activated ground with lime, bbls. lb. .28 - .30
Saccharin, gran., soluble, 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .95 - 1.00
Saffron, Mexican, bls lb. 1.25 - 1.40
Spanish, USP, tins lb. 23.00 - 25.00
Safrol, dms lb. .68 - .75
Sage, cyprus, bgs lb. .08 - .09
Dalmatian, bls lb. .24 - .24½
Greek, fancy, bls lb. .13½ - .14
Spanish, bls lb. .13½ - .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .08¾ - —
Salicin, bots lb. No stocks.
ctns. lb. No stocks.
Saligenin, ctns., works lb. 14.00 - 25.00
Salol, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher.
Salt, rock, paper bgs., c.l. 100 lbs. .88 - —
burlap bgs 100 lbs. .98 - —
l.c.l., paper bgs 100 lbs. 1.09 - 1.12
burlap bgs 100 lbs. 1.19 - 1.22
Table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, works ton. 25.00 - 26.00
Chrome (see Chrome cake).
Saltpeter cryst., bbls., 10 tons, 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 - 14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 - 11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 - 12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, cryst., powd., cns kilo. 190.00 - 200.00
Saponin No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls lb. .40 - .45
Mexican, bls lb. .28 - .32
Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 - .65
Savory, French, bls lb. .20 - .20½
Spanish, bls lb. .14 - .14½
Saw palmetto berries, bgs lb. .23 - .24
Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .13 - .14
Schaeffer's salt, bgs lb. .60 - .67
Seidlitz mixture, bbls., 5,000 lbs lb. .27¾ - —
smaller lots lb. .28¼ - —
kegs, 5,000 lbs lb. .28¼ - —
smaller lots lb. .28¾ - —
Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.82 - 1.85
Senna leaf, Alex., half-leaf, bls lb. .26 - .27
sifting, bgs lb. .22 - .23
Tinnevelly, No. 1, bls lb. .18 - .24
No. 2, bls lb. .16 - .19
No. 3, bls lb. .12 - .14
Pods, bls lb. .14 - .15
powdered, bls., bxs lb. .16 - .22
Serpentaria root, bls lb. 2.45 - 2.50
Sesame seed, Brazil, bgs., afloat lb. .16½ - .17
Central Amer., natural, bgs lb. .17½ - .18
Chinese, hulled lb. .23 - .23½
choice, bgs lb. .23 - .23½
Nicaragua, hulled lb. .29 - .29½
Salvadorean lb. .18 - .18½
Turkish, yellow, recleaned lb. .16¾ - .17
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .65½ - —
bbls., 1,500-lb. lots lb. .66 - —
kgs., 1,500-lb. lots lb. .68 - —
refined, bgs., 1,500-lb. lots lb. .75½ - —
bbls., 1,500-lb. lots lb. .76 - —
kgs., 1,500-lb. lots lb. .78 - —

bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .70 - .71
No. 2, bgs lb. .68 - .69
Superfine, bgs., 10 bgs lb. .64 - .65
TN, bgs., 10 bgs lb. .62 - .63
Shellac in 1 to 9 bgs., 1c. more
Silica amorph., dry-grd., 325 mesh, bgs., c.l., frt. works ton. 20.00 - 30.00
l.c.l., works ton. 25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 10.00 - —
l.c.l., works ton. 15.00 - —

Silica, tetrachloride, tech., dms., c.l., works lb. .14½ - —
l.c.l., works lb. .18½ - .20½
Silver bullion, ingots, cs oz. .70 - —
Cyanide, fib. dms., 2,500-oz. lots, oz. .66 - —
1,000-oz. lots oz. .66½ - —
500-oz. lots oz. .66½ - —
100-oz. lots oz. .66¾ - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½ - —
1,000-oz. lots oz. .47⅜ - —
500-oz. lots oz. .48⅛ - —
250-oz. lots oz. .48⅜ - —
USP granular silver nitrate, 2c. per oz. higher.
Silver Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, bots., dms., 1,000-oz lots, oz. .90 - —
Simaruba bark, bls. lb. .85 Nom.
Skullcap herb, Eastern, bls lb. .85 - .90
Western, bls. lb. .35 - .40
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00
Sloe berries, bgs lb. .33 .40
Smalt, black, ctns lb. .11 —
Blue, ctns lb. .16 —
Snakeroot, Canada, bls. lb. .45 - .50
Soapbark, bls lb. .19 .20
crushed, bls., bbls lb. .26 .27
cut, foreign, bbls lb. .28 - .30
powd., bbls lb. .29 .30
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.50 —
l.c.l., stock points, zone 1, 100 lbs. 2.85 - —
2 100 lbs. 3.00 - —
3 100 lbs. 3.35 - —
4 100 lbs. 3.95 - —
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points, zone 1, 100 lbs. 3.35 - —
2 100 lbs. 3.50 - —
3 100 lbs. 3.35 - —
4 100 lbs. 4.45 - —
bulk, c.l., works 100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works 100 lbs 1.40 - —
l.c.l., stock points, zone 1, 100 lbs. 2.75 - —
2 100 lbs. 2.90 - —
3 100 lbs. 3.25 - —
4 100 lbs. 3.45 - —
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points, zone 1, 100 lbs. 3.25 - —
2 100 lbs. 3.40 - —
3 100 lbs. 3.75 - —
4 100 lbs. 4.35 - —
bulk, c.l., works 100 lbs. 1.15 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l., dlvd., zone 1 100 lbs. 5.80 - —
zone 2 100 lbs. 5.95 - —
zone 3 100 lbs. 6.30 - —
zone 4 100 lbs. 6.90 - —
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
50% rayon type, tanks, works, dry basis 100 lbs. 2.40 2.50
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., dlvd., zone 1 100 lbs. 4.40 - —
zone 2 100 lbs. 4.55 - —
zone 3 100 lbs. 4.90 - —
zone 4 100 lbs. 5.60 - —

Prices f.o.b. stock points in zones indicated minimum quantity 500 lbs., for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l., ex car 100 lbs. 1.55 - —
l.c.l., bgs., ex whse 100 lbs. 1.75 - —
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 - —
Aluminate, for water treat., bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.40 - —
other uses, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 8.00
Antimonate, bbls., c.l., dlvd. E lb. .31 - —
l.c.l., dlvd lb. .32 - —
Arsenate, dealers, dms., c.l., works lb. .12 - —
l.c.l., works lb. — - —
Arsenite, gray, dealers, dms., c.l., works lb. No stocks.
l.c.l., works lb. No stocks.
solution, dms., works gal. .70 - 1.00
Benzoate, tech., bbls., 2 tons lb. .39 - —
smaller lots lb. .40 - .41
USP, dms., 2 tons lb. .46 - —
smaller lots lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works lb. .10 - —
l.c.l., works lb. .10½ - .10¼
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13½ - —
l.c.l., same basis lb. .13½ - —
Bisulphate, bulk, c.l., works 100 lbs. 1.50 - —
dms., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.65 - —
Bisulphite, powd., bbls., c.l., works 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .33 - .34
Cacodylate, bots., dms lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).

Sodium chlorate, cryst., dms., c.l., works lb. .07½ - —
l.c.l., works 100 lbs. .07¾ - 08¼
powd., kgs., works lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works lb. .75 - —
Chromate, bbls., dms., c.l., works, lb. .11⅝ - —
l.c.l., works lb. .11¾ - .11⅞
Citrate, USP VIII, bbls lb. .21½ - —
dms. lb. .22½ - .26½
USP XIII, gran., bbls lb. .23 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms lb. .15 .15½
Diacetate, 33-35% acidity, bbls., works lb. .11½ - .12½
anhydrous, dms., works lb. .14 - .15
Fluoride, white, 90%, bbls., c.l., works lb. .10½ - —
l.c.l., works lb. .10¾ - —
95%, bbls., c.l., works lb. .10¾ - —
l.c.l., works lb. .11 - —
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Glutamate, monobasic, kgs. lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls., lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb. .82 —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22½ —
l.c.l., frt. alld lb. .23 - .27½
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —

Sodium hypophosphite, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 2.90 3.00
l.c.l., same basis 100 lbs. 3.30 —
pea cryst., bgs., metro area, 100 lbs. 3.30 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 2.83
Lactate, edible, 50%, dms., c.l., works lb. 18½ - —
l.c.l., dms., works lb. .19 - —
tech., 50%, dms., c.l., works lb. .12½ - .15
l.c.l., dms., works lb. .13 - .15¾
Mandelate, dms lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton 90.50 - —
l.c.l., works ton. 108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works lb. .16½ - —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.00 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 5.00
Molybdate, anhyd., works lb. .51½ - .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works ton. 48.50 - —
bulk, c.l., works lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl ton. 51.50 - —
Gulf, Pac. whse ton. 51.50 - —
bulk, c.l., same basis ton. 48.00 - —

Sodium nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ - —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.35 - 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½ - .10
Pentachlorophenate, briquets, bgs., works, frt. equald lb. .20 - .21
powd., bgs., c.l., same basis lb. .19 - .19½
l.c.l., same basis lb. .20 - —
kgs., l.c.l., works, frt equald, lb. .19 - —
Perborate, USP, tech., bbls., c.l., works lb. 17¾ - —
l.c.l., works lb. .18¼ - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .16 - —
smaller lots, same basis lb. .19 - —
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
cryst., ogs., c.l., works, 100 lbs. 3.35 3.50
l.c.l., works 100 lbs. 3.75 3.90
NF, dried, powd., dms., works, lb. .20 .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 12.45 - —
l.c.l., works 100 lbs. 12.95 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks.
l.c.l., same basis 100 lbs. No stocks.

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Sodium Phosphate—Wattle Bark Extract

Sodium phosphate, cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Phosphoaluminate, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs lb. .12 - —
bbls. lb. .12¼ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 11.25 -13.00
l.c.l., same basis 100 lbs. 11.75 -13.50
ferric, dms., 10,000 lbs., works. lb. .22 - —
smaller lots works lb. .22½ - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.50 - 6.65
l.c.l. 100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, dms lb. .57 .60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.95 —
bbls., c.l., works 100 lbs. 2 45 —
l.c.l., bgs., dlvd. zone 1. 100 lbs. 3.45 - —
zone 2 100 lbs. 3.60 - —
zone 3 100 lbs. 3.85 - —
zone 4 100 lbs. 4.25 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5 40 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton.16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 —
l.c.l., works 100 lbs. 2.05 2.15
tanks, works ton.32.00 —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .05½ - .06
Stannate, dms., works, frt. alld. E lb. .58 - .633
Stearate, bbls., works lb. .19 .24
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried gran., dms. lb. .14½ - —
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 - .15½
Sulphide, cryst., bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 3.90 - —
flake, bbls., c.l., works 100 lbs. 4.30 - 6.00
l.c.l., works 100 lbs. 4.75 - 6.40
fused, bbls., c.l., works 100 lbs. 4.00 5.75
l.c.l., works 100 lbs. 5.25 6.50
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 3.75
crystals, bgs., c.l., works 100 lbs. 3.35 —
l.c.l., works 100 lbs. 3.75 - —
bbls., c.l., works 100 lbs. 3.40 - —
l.c.l., works 100 lbs. 3.60 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —
Sulphocarbolate, USP IX. gran., bbls., dms lb. .33 .34
powd., bbls lb. .36 .37
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05 - —
liquid, 45%, tanks, works ton.95.00 —
Thiocyanate, CP, dms lb. .55 .65
tech., dms., works lb. .30 —
Thiosulphate, tech. (see Sodium hyposulphite). USP, cryst., bbls lb. .10 - .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼ - —
1 ton or less, works lb. .10½ - .13½
Tripolyphosphate, bgs., c.l., works, frt. equald lb. .07¼ - —
t.c.l. lb. .07¾ - —
Tungstate, tech., bgs lb. 1.30 - 1.35
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, ots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .23½ - .28½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½ - —
l.c.l., works lb. .17½ - .20
Sodium-zirconium fluoride, fib. dms., c.l., works lb. .16½ - —
l.c.l., works lb. 17½ - .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .27 .30
high-flash, tanks, works gal. .27 - .30
petroleum, 100 F. flash, tanks, Baytown, Tex gal. .27 —
150 F. flash, tanks, same basis gal. .27 —
Sorbitol, com'l, dms., c.l., works. lb. 25½ - —
l.c.l., works lb. .26 - —
crystalline, dms., works lb. .50 - —
solution, aqueous, dms., c.l., wks. lb. .1855- —
ton lots, works lb. .196 - —
Soybean meal, 41% bulk, Decatur. ton.68.00 -69.00
protein, chemically isolated, 40-60 lbs., works lb. .22 - —
20,000 lbs., works lb. .22¼ - —
smaller lots, works lb. .22½ - .26
mechanically refined, bgs., 40,000 lbs., works lb. .061 - —
20,000 lbs., works lb. .063 - —
smaller lots, works lb. .065 - —
Spikenard root, bls. lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works. lb. .05¼ - —
Squaw vine, leaves, bls lb. .40 - .45
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.41 - —
Chicago 100 lbs. 4.82 - —
l.c.l. 100 lbs. 5.56 - —
powd., paper bgs., c.l. 100 lbs. 5.52 - —
Chicago 100 lbs. 4.93 - —
l.c.l. 100 lbs. 5.67 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l lb. .06 - —
l.c.l. lb. .07½ - .07¾
Rice, bgs., c.l lb. No stocks.
Sweetpotato, bgs., c.l lb. No stocks.
Wheat, bgs lb. .0631- .0730
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. 07½ - .08

Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .20 - .22
Seed, bgs lb. .20 - .21
Streptomycin, hospitals gram. 1.58 - 1.60
wholesalers gram. 1.26 - 1.28
Strontium bromide, NF, cns., dms., lb. .62 —
Carbonate, 90%, bbls lb. .14 .16
98%, bbls lb. .23 .25
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½ - .44
Iodide, jars, 25 lbs lb. 3.60 - —
Lactate, dms lb. No stocks.
Nitrate, bbls., c.l., works lb. .07¾ - —
l.c.l., works lb. .08¼ - .08¾
Oxalate, bbls., works lb. .38 .40
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.38.00 —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 2.85
Strophanthin, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 —
Styrolyl acetate, bots lb. 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb. 9.00 - —
Sulphadiazin sodium, USP, dms., works lb.10.50 - —
Sulphaguanidin, USP, dms., works. lb. 4.50 4.60
Sulphamerazin, USP, dms., works lb. 9.00 - —
Sulpnamerazin, sodium, USP, dms., works lb.10.50 - —
Sulphanilamide, USP, powd., bots., works lb. 1.05 1.10
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamide, Acetyl, dms., works. lb. 4.25 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.00 3.15
Sulphathiazole sodium, USP, dms., works lb. 3.00 3.15
Sulphonethylmethane, NF, kgs lb. discontinued
Sulphonmethane, NF, kgs lb. discontinued
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 —
l.c.l., works 100 lbs. 2 10 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 —
vessel, f.o.b. Gulf ports, export, long ton.22.00 —
flour, comm'l, 50½%, bgs., c.l., works 100 lbs. 1.60 —
l.c.l., works 100 lbs. 1.95 2.30
precipitated, USP, bbls., kgs lb. 18 .30
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
t.c.l., works 100 lbs. 3.35 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 —
l.c.l., works 100 lbs. 3.15 3.50
flowers, USP, bgs., c.l., works. 100 lbs. 3.25 —
l.c.l., works 100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
t.c.l., works 100 lbs. 2.75 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 —
l.c.l., works 100 lbs. 3.05 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 —
l.c.l., bgs., works 100 lbs. 2.60 2.95
Chloride, 55-gal. dms., c.l., works lb. .03¼ - —
l.c.l., works lb. .04¼ - —
10-gal. dms., c.l., works lb. .07¼ - —
l.c.l., works lb. .08¼ - —
Sulphur dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0635- —
tanks, works lb. .045 .0535
refrigeration, cyls., l.c.l., wks. lb. .16 —
Sulphide, bots., jars lb. 3.90 4.11
Sumac bark, 28%, grd., bgs., ex dock ton.85.00 —
Extract, No. 1, bbls lb. .10½ - —
No. 2, bbls lb. .09 - —
crystals, obls. lb. .40 - —
stainless, bbls. lb. .14½ - —
Leaves, 30%, bgs., ex dock ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. 76 77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla unit-ton .83 - —
Prices on 48% triple superphosphate in other states and D.C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls. lb. 1.50 - 1.70

T

Talc, dom., ordinary grd., c.l., New York, works ton.21.00 - —
l.c.l., works ton.22.50 -24.50
Calif., bgs., c.l., works ton.22.00 -30.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, ground, bgs., works ton.24.00 - —
c.l. ton.26.50 -28.00
98.95-99.95%, grd., bgs., c.l., works ton.21.00 - —
l.c.l., works ton.24.50 - —
98-99.5%, grd., bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.27.00 -32.00
imp., Canada, grd., bgs., c.l. ton.35.00 -45.00
Tallow, inedible, extra, loose lb. .11 —
fancy, loose lb. .11½ - —
special, loose lb. .10¼ - —
sulphonated, 25%, dms lb. .07 - .07½
50%, dms. lb. .10½ - .11
Tamarinds, bbls. lb. .12 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 9.00 - —
Chicago unit-ton 9.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls. lb. .20 - .30
Tapioca flour, high grade, bgs. lb. .10½ Nom.
medium grades, bgs. lb. .08 - .09½
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works gal. .49 - —
l.c.l., works gal. .52 - —
tanks, works gal. .43 - —
25-28%, dms., c.l., works gal. .60 - —
l.c.l., works gal. .63 - —
tanks, works gal. .54 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
tanks, dlvd Nom.
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs. lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .49 - —
dms. lb. .50 - .54
USP, powd., bbls., dms., kgs lb. .54 - .57
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. lb. .25 - .25½
USP, cryst., bbls., dms lb. .90 - .95
powd., bbls., dms lb. .95 - 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .43 .97
Terpinglycol ether, dms., c.l., works, lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .19 —
Terpinyl acetate, extra, cns., dms. lb. .65 1.10
prime, cns., dms lb. .61 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works lb. .08 .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20 - .21½
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene)
Tetraethyl orthosilicate dms., works, lb. .70 - —
Pyrophosphate, dms., works lb. .60 - —
Tetraethylenepentamine, dms., c.l., works lb. .31½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.13.00 -17.50
Theobromine, bots., kgs lb. 6.00 - 6.25
Theophylline, bots., kgs lb. 8.00 8.50
Thiamine hydrochloride, dms., 100 grams kilo.160.00 —
Thiocarbanilide, drms lb. .24 —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., works lb. .40 —
Thorium nitrate, cs., works lb. 3.50 - —
Thyme, French, bgs lb. .17½ - .18
futures, bgs lb. .14¾ - .15
Spanish, bls lb. .09½ - .10
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms. lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .97 98
Crystals, hydrous, bgs., bbls., works lb. .71½ —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, enamel-resistant, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .06¼ - —
l.c.l., works lb. .06½ - —
milled, bgs., c.l., works lb. .06½ - —
l.c.l., works lb. .06¾ - —
nonchalking, bgs., c.l., dlvd. E. lb. .21½ - —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .07½ - .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55-gal. dms lb. .54½ - .55
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns lb. 2.95 - 3.50
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa. gal. .24½ - —
Birmingham, Ala. gal. .23¼ - —
Chicago district gal. .26½ - —
Cleveland district gal. .26 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Philadelphia, Pa. gal. .29 - —
Pittsburgh district gal. .25 - —
Sparrows Point, Md. gal. .24½ - —
St. Louis, Mo. gal. .33 - —
Syracuse, N. Y. gal. .27 - —
Terre Haute Ind. gal. .23 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .23½ - .25
tanks, East, frt. equald gal. .28 - —
Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are—Ark., 30c. (3½c.); Chicago, 30c. (2½c.); Del.-Md.-D.C., 30c. (3c.); Detroit, 30c. (1 9/10c.); E. Tenn., 30c. (4½c.); La., 30c. (3½c.); N. C., 30c. (4½c.); N. E. 30c. (2½c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. (3c.); S. C., 30c. (5½c.); Va., 30c. (2½c.); W. Tenn., 30c. (3½c.), and W. Va., 30c. (3c.).
Tonga, 50% bark and vine, bls. lb. .80 .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - .90
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .40½ - —
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½ - —
l.c.l. lb. .57½ - —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½ - —
Trichloroethane, dms., c.l., wks lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10 - .10½
Zone 2 lb. .10 - .10½
Zone 3 lb. .10½ - .11
Trichloroethylene, tanks, zone 4 lb. .10½ - .11
Trichloroethylene dm., c.l., prices ½c. higher l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .43 - —
l.c.l., dlvd lb. .43½ - —
tanks, dlvd lb. .41½ - .42
petroleum, dms., c.l., dlvd lb. .42½ - .43
l.c.l., dlvd lb. .43 - .43½
tanks, dlvd lb. .41½ - .42
Triethanolamine, dms., c.l., frt. alld. E lb. .22½ - —
l.c.l., same basis lb. .23½ - —
smaller containers lb. .28½ - —
tanks, same basis lb. .21 —
Triethyl citrate, dms lb. .34 .36
smaller containers lb. .39 .45
Phosphate, dms., works, c.l. lb. .38 —
dms., l.c.l., same basis lb. .39 —
tanks, same basis lb. .37 —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 —
tanks lb. .50 —
Trimethylamine, anhydrous, cyl., works, basis 100% lb. .29½ - .39½
25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½ - —
tanks, works, basis 100% lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .37 .39
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane—d.l., fib. ctns., works. kilo.240.00 -265.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs, works lb. 2.85 - —
Turmeric root, Alleppey, bls lb. .36 Nom.
East Indian lb. .17½ - .19½
Madras, bgs lb. .22 - .22½
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .50 —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 —
steam-dist., dms. incl., c.l., works gal. .38 —
l.c.l., ex whse., NYC gal. .64 —
tanks, works gal. .41 —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.35 - —
yellow, kgs. lb. 2.35 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04¼ - —
t.c.l., works lb. .04¼ - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.39.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.96.00 - —
42% N, paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.93.00 - —
40 tons, frt. alld., Colo., Mont., Wyo., and west ton. 102.00 —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton.100.00 - —
C and D grades, same basis. ton.93.50 - —
Uva ursi leaves, bls. lb. .11 .12

V

Valerian root, Belgian, NF, bls lb. .37 - .40
Indian, bls. lb. .32 - .34
Valonia beards, bgs., ex dock ton.90.00 Nom.
Cups, bgs., ex dock ton.69.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.20 - —
Vanilla beans, Bourbon, tins lb. 5.25 - 5.50
Mexican, cuts, tins lb. 4.50 - 4.75
whole, tins lb. 5.00 - 6.00
Tahiti, tins lb. 3.00 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½ - .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill. units. .04 - —
1 billion USP units mill. units. .05 - —
100 million USP units mill. units. .07 - —
Vitamins, A concentrate, dms., wks. mill. units. .36 - .40
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls. lb. 1.80 - 1.85
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.83.00 - —
merchantable, bgs., ex dock ton.80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½ - —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09¾ - .09½
S. Afr., 62% tannin, ex dock, duty extra lb. .09¾ - .09½

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. lb. .52 - .55
Bees, bleached, USP, white, bricks, cs. lb. .70 - .73
slabs, bgs. lb. .68 - .69
crude, African, bgs. lb. .55 - .57
Western hemisphere, bgs lb. .55 - .57
refined, yellow, bricks, cs. lb. .61 - .63
slabs, bgs. lb. .60 - .62
Candelilla, crude, bgs. lb. .66 - .67
refined, bgs. lb. .69 - .70
Powdered candelilla, 20 mesh, 3c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .75 Nom.
North Country, No. 2, ton lots lb. .84 Nom.
No. 3, bgs., ton lots lb. .80 - .81
refined, bgs., ton lots lb. .85 - .86
yellow, No. 1, bgs., ton lots lb. 1.15 - 1.16
No. 2 lb. 1.13 - 1.14
Powdered carnauba price same as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
133°-140° m.p., bgs lb. 18 .18¼
138°-162° m.p., bgs lb. .22 .23
Japan, bgs lb 66 67
Microcrystalline, 170°-175° m.p., ASTM, amber, cins., 30 tons yearly contract, group 3, works lb. 14¾ - —
smaller lots, same basis lb. .15 16
black, cins., 30 tons, same basis lb. 13¼ —
smaller lots, same basis lb. 13½ 14¼
white, cins., 30 tons same basis lb. 25¾ —
smaller lots, same basis lb. 26 .27
190°-195° m.p., ASTM, amber, cins., 30 tons, same basis. lb. .21¼ - —
190°-195° m.p., ASTM, black, cins., 30 tons, same basis lb. 19¾ - —
smaller lots, same basis lb. .20 .21
white, cins., 30 tons, same basis lb. 34½ - —
smaller lots, same basis lb. 34½ .35½
Montan, crude, bgs. lb. .33 - .34
Ouricury, crude, bgs., ton lots lb. 75 77
refined, bgs., ton lots lb. .82 - .84
Ozokerite, fabricated, black, 139-190 m.p., bgs lb. .36 .38
182-183 m.p., bgs lb. .31 - .33
171-172 m.p., bgs lb. .27 .29
white, 178-183 m.p., bgs lb. 33½ - 34¼
170-172 m.p., bgs lb. 28¾ - 29¾
yellow, 180-190 m.p., bgs lb. .44 .50
182-183 m.p., bgs lb. .42 .45
178-183 m.p., bgs lb. .26½ - .27¼
170-172 m.p., bgs lb. 2.3¾ - .25
Spermaceti, blocks, cs lb. .39 - .40
cake, cs. lb. .40 .41
White lead (see Lead, white).
White pine bark, rossed, bls lb. .17 - .20
White precipitate, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works ton.11.00 - —
40 tons, N. Y., whse ton.19.00 - —
smaller lots St. Louis, works ton 13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l ton.14.50 -27.50
200 mesh, bgs., c.l ton. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton.14.50 —
gilders, bgs., c.l ton. No prices.
putty grade, bgs., c.l. ton.13.00 - —
surface treated, bgs., c.l., Ohio works ton.30.00 —
Paris white, bgs., c.l. ton.25.00 -31.00
l.c.l. ton.25.00 -29.00
Precipitated, bgs., c.l. ton.18.00 -20.00
l.c.l. ton.22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .16 - .17
rossed, bls lb. .24 - .25
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls. lb. .16 - .17
Witch hazel leaves, bls lb. .14 - .15
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs lb. .15 - .16
Levant, bgs lb. 4.15 - 4.25
Wormwood bls lb. .40 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald lb. .21¾ - —
l.c.l., same basis lb. .22¼ - —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, ret. dms., c.l., same basis gal. 1.66 - —
l.c.l., same basis gal. 1.69 - —
tanks, same basis gal. 1.60 - —
Xylidins, mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. .23¼ - —
Chicago district gal. .26½ - —
Cleveland district gal. .26 - —
Dangerfield, Tex gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md gal. .26 - —
St. Louis, Mo gal. .23 - —
Syracuse, N. Y gal. .27 - —
Terre Haute, Ind gal. .26 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .23½ - .25
tanks, works, East, frt. equald gal. .28 - —
Prices on 3 to 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (3c.); Detroit, 30c. (1 3/10c.); E. Tenn., 30c. (4½c.); La., 30c. (3¾c.); N. C., 30c. (4¼c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. (3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

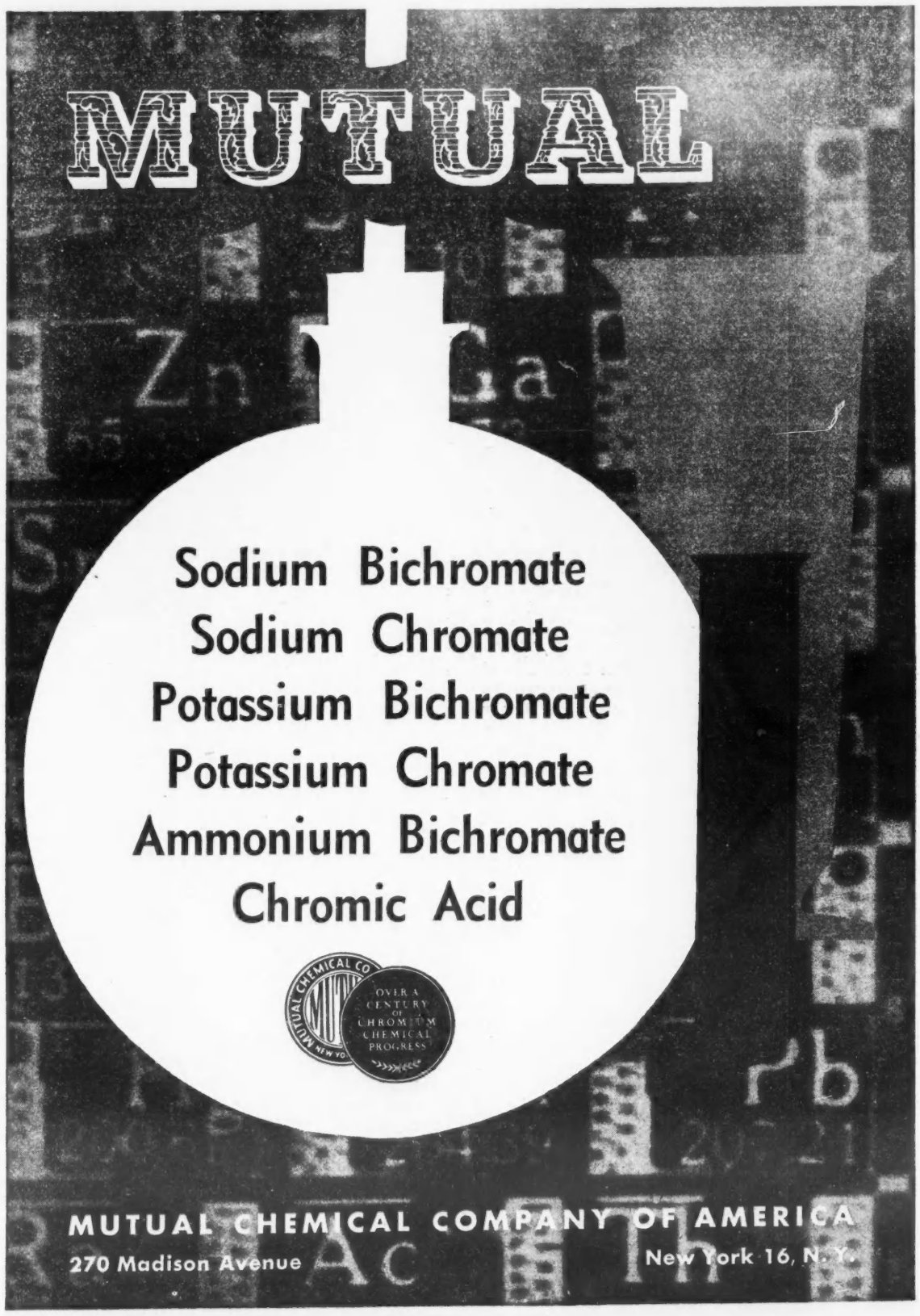
Y

Yara yara, cns. lb. 2.10 - 2.45
Yeast brewer's dry, 50 B units, per gram, 100 lb. dms lb. .46 - —
90 B units, per gram, 100 lb. dms lb. .51 - —
200 B units, per gram, 100 lb. dms lb. .55 - —
300 B units, per gram, 100 lb. dms. lb. .59 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd lb. 1.60 1.70
Cadmium, CP, all shades, bbls., frt. alld, E. of Rockies lb. 2.55 - —
Lithopone, all shades, bbls., frt. alld, E. of Rockies lb. .93 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse, l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .31½ - —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 2.10
Iron oxide natural, bgs., c.l., works lb. .01¾ - .02¾
l.c.l., works lb. 01¾ - .03¾
French type, bgs., c.l lb. .04½ - —
l.c.l. lb. .04½ - —
Peruvian type bgs., c.l. lb. .0185 - .0210
synth, bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼ - —
Yellow, mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.93 - —
Ocher, American, golden, bgs., works lb. 01¼ .02¾
Zinc, bbls., same basis as chrome lb. .23 - —
Yellow dock, cut, bls lb. .25 .27
Yellow sandalwood (see Xanthorrhiza)
Yerba santa leaves, bls lb. .35 .36
Yohimbine hydrochloride vls oz. 3.25 4.00

Z

Zein, bgs., 1,000 lbs., works lb. .25 - —
smaller lots, works lb. .30 - —
Zinc acetate, tech., bbls., dms lb. .47 - —
NF, dms lb. .42 - —
Arsenite, bgs., c.l., frt. alld, E. of Rockies lb. No stocks.
l.c.l., same basis lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E lb. .17 - —
frt. alld, Pac Coast lb. .19 - —
l.c.l., ship't pt., frt. alld, E lb. .17½ - —
frt. alld, Pac Coast lb. .20¾ - —
Carbonate, tech., rubber makers, bbls., works lb. .10¾ - —
precip., powd., dms lb. .26 - —
Purified precip., dms lb. .37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.15 - —
gran., bbls., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
solution, 50°, dms., c.l. lb. 0.0[illegible] - —
l.c.l. lb. .01¾ - —
tanks, works lb. .0[illegible] - —
Zinc chloride, NF, gran., dms. lb. .40 - .41
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .39 - —
Diethyldithiocarbamate, dms., wks. lb. 1.15 - —
Dust, bbls., c.l., works lb. .13¼ - —
l.c.l., works lb. .19¼ - —
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l. lb. .13¾ - —
Iodide, NF, jars lb. 4.35 - —
Laurate, bbls lb. .45 - .46
Linoleate, solid, 9½%, bbls lb. .51¾ - —
Metal flakes, E. St. Louis lb. .17½ - —
Naphthenate, liquid, 8% Zn., frt. alld lb. .21½ - .22
10% Zn, dms., frt. alld lb. .25½ - 26¼
Oleate, bbls lb. .42¼ - —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. 13½ - —
l.c.l., works lb. .13¾ - —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. 13½ - —
l.c.l. works lb. 13¾ - —
leaded, 5%, bgs., c.l., ship't point, frt. alld lb. 13½ - —
l.c.l., works lb. 13¾ - —
35%, bgs., c.l., ship't point, frt. alld lb. 15¼ - —
l.c.l., works lb. 15¾ - —
50%, bgs., c.l., ship't point, frt. alld lb. 15¾ - —
l.c.l., works lb. 16¼ - —

—Continued on page 71



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Research Down to Earth

In these days of strenuous searching for supersonic speed and scientific snooping in stratospheric atmospheres, it is good to learn that the Mellon Institute of Industrial Research is to investigate the causes, prevention, and control of coal-refuse fires ("gob fires") and of acid-generation in coalwaste piles. It is still more encouraging to learn that the investigation is sponsored by the Western Pennsylvania Coal Operators Association. It will be linked up with the working of a fellowship on mine-acid control founded two years ago by the Department of Health of the Commonwealth of Pennsylvania.

Science would serve humanity far better if it were more widely applied to the needs of mankind. Much is said today about researches in the behavior of elements and compounds at absolute zero. The human race needs far more to know how to get more heat out of a ton of coal at 10 degrees above zero Fahrenheit.

Instead of seeking to reach the speed of light in order that the machines of war may be made more terrible, it would be far more useful to find a way to stop the slaughter of men—and women and children—through the misuse of far less speedy motorcars.

There may be something of benefit to mankind, which can be dug up by studying the life-sustaining aids required by those who may eventually have some reason for being in the atmosphere which lies 50 miles above sealevel. It is certain that much good can be done by learning how to prevent a recurrence of a smog catastrophe such as brought many deaths to Donora, Pa.

"We trust," says the director of Mellon, with reference to the study of coalwaste fires, "this far-reaching program relating to an important industrial and communal problem will enable the acquisition of knowledge applicable in preventing or controlling coal-refuse fires throughout this area and elsewhere." There are two words in that expression to which science would well give full consideration. They are the words, "industrial" and "communal," which qualify the word, "problem." Industrial problems are many in the areas of potential application of science in various stages of its development. Communal problems in that category are, at least, as numerous. Both groups are of prime importance with relation to human welfare. And that is still more desirable than human destruction.

Much of the attention being given to national, global, terrestrial, and universal (in the astronomical sense) curiosity, even where there is a concomitant problem of vital interest, could do more for mankind if it were applied locally or communally. Industrially, commercially, politically, and socially that is true. The world needs more researching of the Mellon type, and it needs more of the broad acceptance of industrial responsibilities which motivated the western Pennsylvania coal operators.

Looking Into Export Control

One congressional investigation which most desirably should be carried to utmost completion is that which sets the senate committee on expenditures in the executive departments a-probing of the peculiar manifestations of so-called "export control." That is a probe which could be most illuminating in a number of corners. It should be carried through with utter disregard for any and all upon whom its light may be focused.

The senate investigators have laid out a number of conclusions on what has been, and to an extent still is, wrong with the attempt to control exports, and makes some recommendations on what should be done in the direction of improvement. Many of the conclusions and recommendations echo those voiced on more than one occasion by the practical, experienced workers in sections of the Office of International Trade. It is doubtful, however, that any of those sentiments could be brought out, certainly they could not be elicited except under such a full guaranty of confidence as would be most difficult to provide.

It is noteworthy that the probers' findings have nothing to say about the failure of various endeavors to apply a price criterion to the licensing of exports. Probing in that area will discover the role of the promoters of small business, congressional as well as other, who were not concerned about the number of hands through which material might have passed—with profits—before it reached the "small business" that desired to export it.

One thing which a probe of the ineffectiveness of attempts to control exports could discover—what good that would do none can say—is the lack of collaboration and cooperation which characterizes interdepartmental and intradepartmental relations in the functioning of executive offices. All too often, nobody seems to know or appears to care what he should do to facilitate or effectuate the carrying out of a job which, for some reason or another, has been delegated to a given individual. Teamwork certainly is not of first consideration in many, if not most, such relations. To expect the Office of International Trade to have done its own job and those of the customs bureau, the maritime commission, the FBI, and the Department of Justice to prevent fraudulent impositions is naive indeed. And to disregard the influence of small business "observers" in decontrolling exports would be just plain silly.

Largely a Matter of Words

A day or two after the public press had reported that farm interests had begun to formulate their dicta that the Democratic Federal administration was expected to live up to its campaign promises, there appeared in a New York newspaper this headline:—"American Farmers Find Europeans Are Inefficient." Can it be that the reliance of American farmers upon governmental monetary support does not mean that they are not efficient enough to make a living without such assistance? Just what is "efficiency" anyhow?

The alleged inefficiency of the European farmers visited by a group from the United States consisted largely in their hiring too many helpers. It is a strange sort of "inefficiency" which, according to the report, supports ten hired hands on a French farm one-half the size of that of one of the visiting Americans who runs his with the help of his two sons only—not to mention governmental support prices. Apparently, in the minds of the American farmers, efficiency is a technical matter, not a commercial one. So, there is nothing inconsistent about that above-mentioned recalling of political campaign promises or the insistence in the national farm organizations that support prices be kept close to parity. Productive efficiency seems to be a matter of men, rather than of money.

That leaves one guessing how the embuttered farmers are going to take the announced intention of the Department of State to negotiate a reduction of the duty on imported butter. Surely that is a slap at those superefficient dairymen. Perhaps they will again drag out the threat they made a year ago that, if the tax was taken off oleomargarin, they would insist that all imported vegetable oils be made dutyfree.

Another angle is presented by the report of delegates of a British agricultural organization who had visited the United States that the fertility of farms in this country was rapidly diminishing and that American farmers could learn much from the British about maintaining fertility under extensive cultivation. It would seem that everybody has a lot to learn. Perhaps the Anglo-American Council on Productivity will operate in the areas of agriculture. It could well be extended to eastern Europe countries as a source of information. And there is, at least, equally good and necessary work to be done in the realms of distribution also.

May the Coming New Year Be Your Best

Washington Talks

—Continued from page 5

value of all economic production. More than one-third of the total production is contributed by four industrial divisions of approximately equal size. These are agriculture, forestry and fisheries, 9.5 percent; the service industries, 9.3 percent; government and government enterprise, 9.2 percent, and finance, insurance, and real estate, 8.1 percent.

The remainder of the national income is divided among four industrial divisions and the net inflow of income from abroad. Transportation contributes 5.6 percent; contract construction, 4.3 percent; communications and public utilities, 2.7 percent, and mining, 2 percent.

Export Schedules Revised

Final notice has been given to shippers and exporters by the Census Bureau that, beginning January 1, all reporting of exports must be under the new "Schedule B" classification, the commodity code book used in completing shipper's export declaration forms. The current schedule B, even with amendments, will be obsolete after December 31.

The 1949 edition of schedule B has been printed in two parts. Part I, the alphabetic index of the schedule, is in the form of an alphabetic listing of commodities to be used to locate the correct schedule B commodity numbers to be shown on shipper's export declarations. Part II is arranged in numerical sequence of schedule B commodity numbers, showing a list of individual commodity items included in each number classification.

Copies are obtainable from the Superintendent of Documents, Government Printing Office, local Collectors of Customs, and Department of Commerce field offices at $2.50 for part I and $1.50 for part II. A limited number will be available for reference in the Commerce field offices and offices of Collectors of Customs.

Feed Molasses from Wood

Recently developed evaporating equipment is proving important in making it possible to produce feed molasses from wood at reasonable cost, the Department of Agriculture reports. Research workers of the Forest Products Laboratory now have wood molasses in the pilot-plant stage of development.

In making molasses, wood waste is treated with acid to convert it into a weak solution of sugar from which excess water is evaporated to produce a 50 percent solution of wood sugar. It compares favorably in tests to date with blackstrap molasses for several purposes. It is being tested as a preservative for grass silage at Washington, Oregon, and Wisconsin experiment stations. In Montana, experimenters are using wood molasses in preparing mixed feeds and mixed-feed pellets to use this Winter as a supplemental feed for sheep and cattle wintering on the range.

Pilot-plant operations indicate that costs can be kept low enough to make waste wood molasses attractive to livestock growers as a source of high-energy stockfeed. The research work is being carried out with funds provided by the research and marketing act.

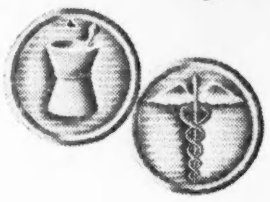
Age Still Must Be Served

There is much talk in congressional circles of doing away with the seniority rule of selecting committee chairmen. At the present time every new appointment to a committee must start at the bottom of the ladder. Brains count for naught. It may be years before a new member can exert any appreciable amount of influence on legislation, and his only hope of becoming chairman is through election defeats or deaths of those above him.

Much of the talk stems from the fact so many of the committees next year will be headed by Democrats from the "Solid South" where reelection is almost automatic, once the incumbent successfully gets through the political primaries. And with the southerners, for the most part, only lukewarm to President Truman, new members coming into office next January are fearful that much of Mr. Truman's program may never get out of the committees.

This same kind of talk against the seniority rule was heard a couple of years ago when consideration was being given to the congressional reorganization act. At that time the talk was centered largely on the fact that the seniority rule was a penalty on brains. This year it has become more vocal because of the feelings between the Southerners and the White House. Nevertheless, observers aren't looking for any change in the rule; for the old members appear to be too well entrenched to be rooted out by the new blood.

Widening the usefulness of PENICILLIN *in Therapy*



Since its development by Pfizer, Procaine Penicillin has received wide acceptance by the medical profession because of its proven advantages. Procaine Penicillin, in its several dosage forms, produces penicillin blood levels for longer periods of time and less pain at the site of the injection, and has become one of the most important factors in widening the usefulness of penicillin in therapy.

Pfizer provides this useful Procaine salt in bulk, as well as in the following dosage forms:

Procaine Penicillin G Crystalline in Oil—Pfizer

Procaine Penicillin G Crystalline for Aqueous Injection—Pfizer

Procaine Penicillin G Crystalline in Oil with 2 Per Cent Aluminum Monostearate—Pfizer

Procaine Penicillin, as well as the first two above-listed dosage forms, are developments of the Pfizer research laboratories and are the subject of patent applications. Pfizer penicillin, and other antibacterial agents are supplied to the medical profession through many of the leading pharmaceutical companies. Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, N. Y.

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Heavy Chemicals

Chemical index number declined last week to 234.6 compared with 235.4 for the preceding week and 202.2 for the corresponding week in 1947. White arsenic was priced lower both for carlots and for smaller quantities. Quicksilver advanced sharply after an upward revision of prices abroad. The extent of the advance was a surprise to the trade and temporarily caused some confusion as to actual prices. Lower prices for technical epsom salt will be made effective on January 1. According to trade reports, a general advance in zinc sulphate prices may not take place at the beginning of the year.

Holiday influences were responsible for a relatively quiet market in chemicals last week. Prompt shipments of soda ash and liquid caustic soda were available while chlorine stocks were fairly tight. It was stated that all producers of nickel sulphate are behind on contract shipments. Chromic acid commanded attention for aircraft manufacture on the west coast.

Domestic production levels of industrially important inorganic chemicals for October, 1948, were generally higher than those reported for September, according to the Bureau of the Census. Increases from September, 1948, were noted for 27 of the 35 chemicals included in the Bureau's monthly survey, while decreases were reported for 6. The former group includes 8 chemicals for which all-time highs were recorded. Twenty-two of the 35 chemicals were produced in larger quantity during October, 1948, than during October, 1947, while 11 were produced in smaller volume.

October production increases over the preceding month for some chemicals were sizable. For the eight chemicals for which record highs were reported—chlorine, muriatic acid, hydrogen, phosphoric acid, synthetic soda ash, sodium bichromate and chromate, caustic soda and salt cake—the gains range from 3 to 14 percent and with the exception of the combined chrome salts represent chemicals of the heavy tonnage group. These heavy volume chemicals also show sizable gains over October, 1947, figures except for synthetic anhydrous ammonia and nitric acid.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous — Production of synthetic in October amounted to 92,791 tons, compared with 86,062 in September and 95,826 in October, 1948. Shortage of tankcars and cylinders having a tendency to delay shipments.

Arsenic—Priced lower at 6c. per pound for carlots delivered and at 7c. to 8c. per pound for smaller quantities. Demand has shown no unusual activity during the past month. It is expected the insecticide trade will enter the market shortly after the turn of the year.

Calcium Carbide — October production of commercial was higher at 57,805 tons, compared with 55,164 in the preceding month and 48,336 in October last year.

Calcium Phosphate — Production of monobasic was lower in October at 6,294,000 pounds, compared with 6,886,000 pounds in September and 7,343,000 pounds in October last year. Output of dibasic was 8,296,000 pounds in October against 6,651,000 in the preceding month and 8,041,000 in October, 1947.

Carbon Dioxide—Passing of the Summer season was reflected in lower productions in October. The total of liquid and gas was 17,988,000 pounds, against 24,393,000 pounds in September and 21,547,000 pounds in October, 1947. Production of solid dry ice was 53,148,000 pounds in October, compared with 76,965,000 in the preceding month and 58,469,000 pounds in October last year.

Carbon Tetrachloride — Stocks have shown no significant easement during the past month. Production in some instances was below contract requirements and in others flush with demand. Distributors appeared to have control of the spot market and buying conditions continued tight with prices firm.

Chlorine — Demand continued active enough to maintain a tight supply situation throughout the past month. October production was the highest ever recorded. The total stood at 147,593 tons of chlorine gas, against 136,382 tons in the preceding month and 127,245 in October, 1947.

Copper Sulphate—Not much activity at present, aside from a normal industrial movement. Slight pickup in inquiry from California, but Florida sales running considerably below normal with no significant improvement in sight. Prices firm and guaranteed at current levels for the first quarter of 1949.

Epsom Salt, Technical — Lower prices will be made effective for this material on January 1. Carlots will be priced at $2.15 per 100 pounds in bags and at $2.90 to $3.15 for less. All prices f.o.b. the works.

Glauber's Salt — Stocks not excessive but meeting current requirements. October production showed 16,137 tons, compared with 14,345 in the preceding month and 18,462 in October last year.

Nickel Sulphate — According to trade reports, every producer of this chemical is behind on contract shipments from five to six weeks. Demand for plating uses has been sustained at a high level, too high to be leveled off this year. Stocks were as tight at the close as at the beginning of the monht.

Potash, Caustic — Available stocks of liquid in tankcars were reduced during the last half of the month through purchases said to be for soap requirements. The dry forms were in better shape than noted a month ago.

Potassium Carbonate — Both calcined and hydrated appeared to meet requirements during the month although stocks were not free. Demand from the glass trade has been confined mostly to specialties in which television tubes have played an important part.

Potassium Chlorate — Market situation about in balance at the close of the month. Production has made considerable progress in leveling off requirements and prompt shipments (January) were available at current price levels.

Soda Ash—Prompt shipments continued available during the past month and the supply has remained easy with some relaxation noted in consuming demand. October production of synthetic was the highest on record. The total for light ash was 198,369 tons, against 167,340 in the preceding month and 192,021 in October, 1947. Production of dense ash was 146,431 tons in October, against 132,133 in September and 145,846 in October last year. Output of natural amounted to 25,328 tons in October, compared with 24,712 in September and 26,328 tons in October, 1947.

Soda, Caustic—Liquid has remained in relatively easy supply during the month of December. Stocks of flaked and solid have increased, but were not entirely flush with demand. October production by the electrolytic process showed 144,380 tons of liquid and 29,318 of solid. In September production registered 133,986 tons of liquid and 29,206 of solid. In October a year ago, output of liquid was 122,334 tons and solid 25,098 tons. Production by the lime-soda process was 67,456 tons of liquid and 23,532 of solid in October, against 62,177 tons of liquid and 22,187 of solid in the preceding month and 63,920 tons of liquid and 20,460 of solid in October, 1947.

Sodium Bicarbonate—Stocks of this material have not been a problem to consumers of late. Supplies have continued ample to meet requirements. October production of refined amounted to 14,407 tons, compared with 13,376 in September and 13,892 in October, 1947.

Sodium Chlorate—Supply situation was better at the close than at the beginning of the month. Seasonal relaxation in demand for weed-killer and industrial requirements permitted production to bring the market close to a balanced condition.

Market Trends

Prices Advanced

Quicksilver, $14 per flask.

Prices Reduced

White arsenic, c.l., ¼c. per lb.
l.c.l., 1c. per lb.

Comparative Price Indexes

(100 August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
234.6	235.4	235.4	202.2

Acids

Last week	Prev. week	Last month	Last year
123.3	123.3	123.3	119.5

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

January-February shipments were available at current price levels at the close of the month.

Sodium Phosphate — Production of monobasic in October amounted to 1,251 tons, compared with 1,005 in September and 1,195 in October, 1947. Output of dibasic was higher at 9,259 tons in October, against 8,282 in the preceding month and 7,134 in October last year.

Sodium Silicate—October output including soluble silicate glass, liquid and solid was 38,617 tons, compared with 38,232 tons in the preceding month and 43,724 in October, 1947.

Zinc Sulphate—According to trade reports last week, there will not be a general advance in the price of zinc sulphate on January 1. Regardless of a recent increase of 2½c. per pound in the metal, it is stated that some of the producers will go along at present prices. While this appears contrary to earlier views, it was stated there is no shortage of zinc sulphate at the present time.

Acids

Chromic—Heavy demand from platers has prevented any easement in buying conditions throughout the past month. There was no indication of improvement in the supply position in the near future.

Hydrofluoric—Production of anhydrous and technical was lower than the preceding month. The total was 6,619,000 pounds in October, against 6,754,000 pounds in September. Output in October, 1948, amounted to 4,911,000 pounds.

Muriatic—October production amounted to 39,863 tons, a new high record, compared with a revised total of 37,825 tons in the preceding month and 36,461 tons in October, 1948. The supply situation appeared better at the close than at the beginning of the month although stocks were not free.

Nitric—Supply situation has remained in fair balance. Production in October amounted to 99,190 tons, compared with 95,570 tons in the preceding month and 99,318 tons in October last year.

Oxalic—Stocks have continued short of demand and buying conditions were as tight at the close as at the beginning of the month. There appeared to be no appreciable relaxation in the miscellaneous consuming inquiry.

Sulphuric—Gross production in October amounted to 950,991 tons, including 236,174 tons made by the chamber process and 714,817 by the contact process. Total output in September was 866,168 tons. In October, 1947, production registered 897,297 tons.

Non-Ferrous Metals

Aluminum—Primary aluminum production in September totaled 53,255 short tons, a decline of 1,698 tons or 3 percent from the August output, according to the Bureau of Mines. Despite the decrease proportionate to the shorter month, appa-

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rent consumption remained at a high level, and demand continued to exceed supply. Stocks of pig aluminum at reduction plants decreased 9 percent during September to 10,455 tons at the end of the month. Prices of both aluminum scrap and secondary ingot declined approximately 1c. a pound during September.

Copper—Domestic production of primary copper and deliveries of refined metal to consumers in the United States touched a new low level for the year in November, according to the Copper Institute. Deliveries to consumers were 100,055 tons in November, compared with 112,580 in October. For the eleven months of 1948 deliveries totaled 1,242,553, an average of 3,709 tons daily against a 1947 average of 3,791 tons a day. Primary copper output of 51,088 tons compared with 73,454 in October and secondary or scrap production was 7,063 against 8,020 tons. United States refined production of 102,779 tons compared with 101,436 in the preceding month. Stocks in the United States on November 30 were 89,756 tons of refined copper, compared with 76,371 tons at the end of October.

Lead—Consumption in the manufacture of tetraethyl lead in September amounted to 6,615 tons, according to the Bureau of Mines. Total consumption from January 1 to September 3 amounted to 60,602 tons. The amount of lead used in miscellaneous chemicals was 711 tons in September and 7,978 tons for the nine months' period ending September 30.

Quicksilver—Higher prices have been named by the Spanish-Italian combine and a sharp advance has been recorded in the local market. Sales have been made on the basis of $93 per flask, duty paid, with a range from $93 to $95 at the close.

London (Comtelburo)—The Spanish Italian quicksilver group "Mercurio Europeo" has increased, with immediate effect, their export quotation an advance of $14 to $70 per flask, f.o.b. Spanish Italian ports. The United Kingdom ex warehouse quotation has been raised to £18⅜, and on a c.i.f. United Kingdom basis to £17⅞, compared with £15 and £14, respectively. Market circles point out that the sharp increase means "Mercurio Europeo" are evidently satisfied that the bulk of outside competition has been finally eliminated as a result of their cheap selling policy and that they can now operate at a higher level, but still below the price at which the bulk of United States and Mexican producers can operate.

Silver—Buying interest was not unusually active during the past month. Most of the holiday demand was leveled off in November and the desire to keep inventories down has resulted in a hand-to-mouth buying movement. The official closing price for silver bullion in New York was 70c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Oct. 6, 1948—77½c.	Oct. 4, 1948—47d.
Low	Nov. 29, 1948—70c.	Nov. 30, 1948—42¼d.

Zinc—Supply situation continued tight at the close of the month. There was no change reported at a strike-bound producing plant in the West and this loss of output is keeping stocks of the metal down for industrial uses. Domestic demand has kept well above the supply and it was stated that considerable export business could be placed if stocks were available.

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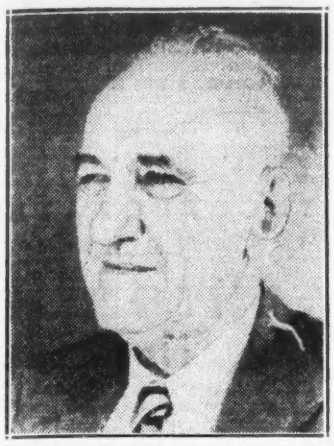
Wins Regional Award



Dr. Eugene P. Schoch, director of the bureau of industrial chemistry of the University of Texas, has been chosen to receive the first southwest regional award of the American Chemical Society. Dr. Schoch was presented with the award on December 10, for his "pioneer research resulting in a commercially valuable process for making acetylene from natural gas."

St. Regis Paper Shifts Six of Executive Staff

Directors of St. Regis Paper Company at a recent meeting in New York acted on a number of executive changes. Following the meeting, announcement was made that Roy K. Ferguson would assume the position of the chairman of the board, which has been vacant, and would also continue to act as president.

James H. Allen, a director, and president of the company's subsidiaries, Florida Pulp & Paper Company and the Alabama Pulp & Paper Company, was named to the newly created position of vice-chairman of the board.

Announcement was also made of the resignations of Carl B. Martin and Lyman A. Beeman as vice-presidents and the appointments of Benton R. Cancell and William R. Adams as vice-presidents. Mr. Martin will continue as a director and will be employed by the company in a consulting capacity.

Hercules Develops Process For Rosin Emulsification

A new process for the automatic emulsification of rosin size by paper mills has been developed by Hercules Powder Company. The Hercules automatic emulsifying process enables paper mills to reduce labor costs, reduce space requirements, and provides a size emulsion of greater uniformity of concentration and quality, according to the company. The new process it adds, also broadens the field of application for special sizes formerly impractical because of limited emulsion stability.

The process utilizes a triplex unit consisting of three properly sized proportioning pumps, driven by a single motor. This makes it possible to deliver at definite predetermined rates the three components necessary for proper emulsification of rosin size. These components are size, hot water, and cold water.

Minn. Mining Establishes Central Manufacturing Div.

The Minnesota Mining & Manufacturing Company, St. Paul, Minn., has created a new central manufacturing division and has placed Dr. Byron J. Oakes in charge of it. The new division will begin by coordinating the operations of the company's special products division with those of its subsidiary, the National Synthetic Rubber Corporation.

Owens-Corning Appoints Cranston

Owens-Corning Fiberglas Corporation, Toledo, Ohio, has appointed Hal M. Cranston comptroller. Mr. Cranston joined the Owens-Illinois Glass Company in 1935, and transferred to the Fiberglas organization when it was founded in 1938. In 1943 he was appointed assistant treasurer and auditor.

Diamond Match Official Retires

Henry G. Lucas, vice-president, secretary, and a director of the Diamond Match Company, New York, is retiring December 31. He has been with the company forty-five years.

Mines Bureau Reports On Mineral Deposits

The Bureau of Mines has published the following reports on mineral deposits in the United States:—

Report of investigations 4362, "Investigation of the Toncrae-Howard Copper Deposits, Floyd County, Va."; report of investigations 4358, "Investigation of the Salt Chuck Copper Mine, Kasaan Peninsula, Prince of Wales Island, Southeastern Alaska," and report of investigations 4380, "Investigation of the Hamme Tungsten District, Vance County, N. C., and Mecklenburg County, Va."

Copies of the reports may be obtained free by writing to the publications section of the Bureau of Mines at 4800 Forbes street, Pittsburgh 13, Pa.

Sanitary Products Sells Branches

Sanitary Products Paper Company, a division of the Crown Zellerbach Corporation, San Francisco, Calif., has sold its five branches to individual business groups in New York. The Sanitary Products organization specializes in products in the janitorial supply field.

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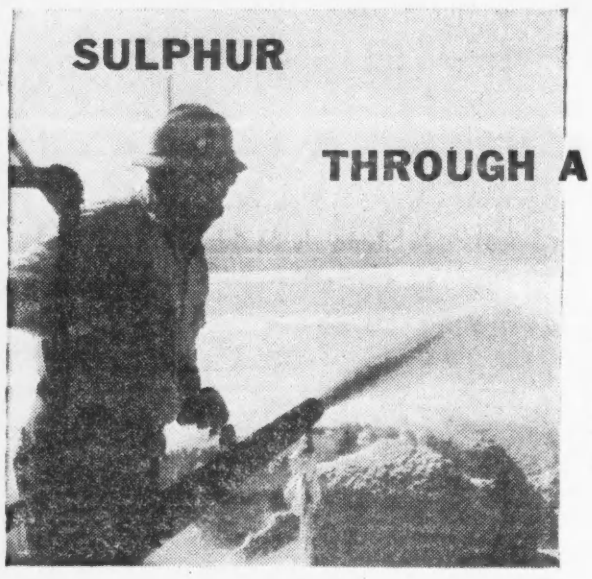

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Continental Can Plans New Plant

Continental Can Company, New York, is planning the construction of a new plant in West Mifflin, Pa. A contract for the design and construction of a one-story steel frame building has been let and work is expected to start early in the Spring. The new plant will be used for the manufacture of metal cans and crown caps.

British Chemical Industry

—Continued from page 5

the situation, and assuming the American lower prices to be genuine, a keenly competitive period is looming ahead.

There are also many involved factors operating to make any premature celebration unwise since most markets continue to protect their own wartime developed industries at the expense of importing concerns. As a traditional and major chemical exporter, Britain stands to suffer severely from any such development.

Imperial Chemical Industries plan extensions to factories in its alkali division at a cost of approximately £13,000,000. This extension of facilities will give a 50 percent increase in present alkali production. According to reports, the program should be completed by the end of 1953, but actual date of completion depends on availability of buildings and plant.

Speaking at the Winnington Works on the occasion of the seventy-fifth anniversary of its foundation, Lord McGowan, chairman of I.C.I., announced this new development, and declared that they had every confidence that the additional production could be sold. He added:—

"It is a fact that over the past twenty-five to thirty years the consumption of soda ash has increased every year, and we see no reason why that should not continue. Naturally, no tree grows to heaven, and it may be we shall see recessions in the demand for soda ash, but in my opinion, that will be only temporary and in any case we would rather see an over capacity than an under."

Military Establishes

—Continued from page 5

salaries and wages properly chargeable directly to the performance of the contract.

Allowable indirect costs are:—

(a) manufacturing and production expenses, which are the indirect costs incurred in the operation of production departments;

(b) selling and distribution expenses, which are costs incurred in connection with the marketing of the contractor's products;

(c) general and administrative expenses which are costs incurred in the general management, supervision and conduct of the business as a whole.

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Young Elected Chairman Of ACS Organic Chemists

Dean William G. Young, of the division of physical science of the University of California at Los Angeles, has been elected chairman of the division of organic chemistry of the American Chemical Society. He succeeds Dr. Paul D. Bartlett, professor of chemistry of Harvard University, who was named to the division's executive committee.

Dean W. G. Young

Prof. Ralph W. Bost, chairman of the University of North Carolina department of chemistry, was re-elected secretary of the division. Also named to the executive committee were Dr. Karl A. Folkers of the research and development division of Merck & Co., Rahway, N. J., and Prof. Harold R. Snyder of the University of Illinois.

Dean Young, a member of the U.C.L.A. faculty since 1930, has been a full professor of chemistry since 1943, and was chairman of the department of chemistry from 1940 until this year. He has been dean of physical sciences since 1946. From 1941 to 1945, Dean Young was an official investigator for the National Defense Research Committee.

Hunt Buys N.J. Factory

The Philip A. Hunt Company, chemical manufacturer, Brooklyn, N. Y., has purchased a one-story factory building in Palisades Park, N. J. The company will use its new facilities for the manufacture of photographic and graphic arts chemicals.

OIT Export Control

—Continued from page 3

adequately publicized in the export trade so that the average businessman may understand how, when, and under what conditions he may reasonably expect to receive approval of his license application.

5. The present domestic and foreign compliance staff should be brought up to its full strength without delay. It is further suggested that consideration be given to removing the compliance unit out of the operational level in OIT and making it directly responsible to the director of that agency.

Fraudulent Practices

The committee's report reviewed the history of export controls and the various steps that have been taken by OIT to improve its machinery, but criticized the agency for waiting for frauds and irregular practices to come to light before taking steps to make such practices impossible. The committee cited such instances in this connection as forged licenses, trafficking in licenses, fraudulent shipments, forged license applications and mislabeling of commodities for export.

"It seems almost incredible," the committee stated, "that a nation such as ours would embark on a program to control its exports without having greater foresight and more advanced planning than there was in this case. It is paradoxical that when the government attempts to control any business operation of this magnitude, the financial rewards for violating the regulations are so great that many dishonest persons are attracted to it.

"The government has a grave responsibility in such a situation to so enforce its program that it protects the honest businessman. In the case of the export control program, at the time our committee began its investigation the reverse was true—it rewarded the unscrupulous and made it extremely difficult for many honest merchants to survive."

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Agricultural Chemicals

Tankage was the only material to reveal a price change last week. The revision was downward and was the result of a withdrawal of support by the feed trade. Other packing-house byproducts were relatively quiet. Aside from superphosphate, the basic fertilizer chemicals were heavily under contract with no nearby easement in sight.

Reports to the National Fertilizer Association from state control officials in the fourteen states requiring fertilizer tax tags indicate that during November such sales were equivalent to 552,000 short tons, a fourteen percent drop from the 645,000 tons reported for a year ago. Compared with November, 1946, however, sales were ten percent higher. Last year there was a 33 percent increase in sales from October to November, while this year the percentage change for the same two months was only a five percent increase.

For the first 11 months of the year, tax tag sales in the 14 reporting states were equivalent to 8,483,000 short tons, a nine percent increase over the 7,756,000 tons reported for the same period last year. In 1946 and 1947, January-November sales accounted for 90 percent of annual sales; if that same ratio continues this year, total sales for 1948 will be over 9,400,000 equivalent short tons.

During October, production of superphosphate at 181 plants in the United States totaled 831,000 equivalent short tons, basis 18 percent a.p.a., according to reports submitted by manufacturers to NFA and a summary of reports submitted to the Bureau of Census. Compared with last October, production was off seven percent. This is the third time so far this year that monthly production has been below that of the corresponding month in 1947.

Nitrogenates

Ammonium Nitrate—October production of original solution was higher at 84,128 tons, including 68,295 tons of fertilizer grade and 15,833 tons of all other grades. Total production in September was 79,942 tons and in October, 1947, output registered 88,249. Demand has kept ahead of supply, holding market situation tight.

Ammonium Sulphate — Production of synthetic technical in October amounted to 38,900,000 pounds, compared with 26,516,000 pounds in the preceding month and 37,624,000 in October last year. Sold ahead position of output has kept the market definitely tight.

Bone Meal—Buyers have found prompt shipments of raw and steamed difficult to secure. Producers have output for nearby deliveries well under contract at present. The market is firm with prices unchanged.

Castor Pomace—Shipments have continued confined to contract consumers. It is stated that the rapid absorption of output has prevented any additional spot offerings.

Dried Blood—Trading was not active last week but there was no pressure of offerings and prices remained steady at $10 per unit of ammonia, New York, and $9.50 Chicago.

Fish Meal—Prices continued steady for menhaden meal at the late advance. Feed interests have purchased material and demand for feed requirements has been a sustaining influence to prices. Sardine meal at Los Angeles was priced at $146.75 to $156 per ton for 65 percent, according to seller.

Sodium Nitrate—Firm and unchanged in price with demand keeping far enough ahead of supply to sustain a tight market position for both domestic and imported material.

Tankage—Priced lower here and in the West. The feed trade did not show much interest in this material and sellers cut prices in an effort to stimulate demand. Stocks were available here and in Chicago at $9 per unit of ammonia.

Phosphates

Phosphate Rock—Consuming demand and available supplies have been kept in balance during most of the past month. Production appeared to be geared to meet current requirements for home and export and the market looked to be in a normal condition at the close of the last quarter.

Superphosphate—Stocks have continued adequate to meet mixers' requirements during the past month. There were no price changes to note.

October, 1948, production of normal superphosphate fertilizer was 4 percent above September, 1948, but 10 percent below the October, 1947 figure, according to the Bureau of the Census. Shipments increased to 428,647 short tons, or 12 percent above last month and approximately the same as a year ago. Quantities of normal superphosphate used in reporting plants were 3 percent above last month and 5 percent below October, 1947. Stocks on October 31 were 1,155,046 tons, against 1,213,040 on September 30.

Production of concentrated superphosphate in October remained about the same as September and was 18 percent above a year ago. Total supply of this material increased 4 percent during the month and was 17 percent above the October, 1947 figure. Shipments were 4 percent below the previous month but were still 1 percent above October, 1947. Stocks at the end of October were 78,976 tons, compared with 73,405 on September 30.

Production of wet-based goods increased 30 percent above September and was 18 percent above October of last year. Shipments showed a marked increase of 132 percent above last month and 47 percent above a year ago. Stocks on hand for wet-based goods were 7 percent above September and 29 percent below October, 1947. Stocks on hand October 31 were 10,778 tons, compared with 10,090 on September 30.

Potashes

Steady shipments have been going forward against domestic contracts throughout the past month. Producers have kept the movement about flush with schedules, while inquiry has remained at a level considerably above the available supply. Demand has been fed from current production as there is no accumulation of stocks at the present time.

Los Angeles Fertilizer Market

Los Angeles—The agricultural chemical market is slow due to the seasonal slump. Fish meal was the only chemical whose price was changed. Nitrogen remains short, other materials are in good supply. Ruling prices were:—Ammonium nitrate, $75.04 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16/20 grade f.o.b. Los Angeles, and $89.50 per ton for 11/48 grade f.o.b. this city. Ammonium sulphate, $48.50 in bulk, $51 in bags. Canadian material $51.60 in bags, $49.60 in bulk. Blood meal, $7.25 per unit of ammonia at source. Bone meal, $65 per ton for steamed 1x30 meal. Fish meal, $146.75 to $156 per ton f.o.b. Los Angeles for 65 percent California sardine meal. Sodium nitrate, $53 per ton in 100-pound bags, $5 off for bulk. Potassium muriate, 45½c. per unit f.o.b. Trona basis, Bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Agricultural Hydrated Limestone — Producers are holding this material at $13 per ton in bags for carlots and at $13.50 for truck-lots. Pulverized limestone is priced at $4 per ton in bags, carlots, and at $4.25 for truck-lots. All prices are f.o.b. the works.

Barbasco Root — Advices from Peru state that exports of barbasco in the first 6 months of 1948 totaled 1,200 metric tons (1,078 tons roots), compared with 3,603 tons in the corresponding period of 1947. The United States took 1,168 tons; the Netherlands was also a purchaser. The market was slow in the first part of 1948. Lack of demand in the United States was attributed to large stocks held by importers and processors. However, trade sources consider that stocks have been reduced to more normal levels and that in the future demand will probably average 4,000 tons annually. This will be substantially more than United States imports in 1947 but less than Peruvian production capacity, which was increased as a result of war demands and may be as much as 7,000 tons.

Market Trends

Prices Advanced

None

Prices Reduced

Tankage, New York, 50c. per unit of ammonia.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	72.5

(*For Current Prices see Page 9*)

For Late Market Developments, See Page 4

Obituaries

Dr. Hugh S. Cumming

Dr. Hugh S. Cumming, retired surgeon general of the United States Public Health Service, died December 20 at his home in Washington after a heart attack. He was seventy-nine years old.

Dr. Cumming had retired in 1946 after sixteen years as head of the USPHS. When he took charge of the agency, in 1920, he had already served twenty-six years.

Albert K. Epstein

Albert K. Epstein, consulting and research chemist, and president of the American Palestine Trading Corporation (Ampal), New York, died in Tel Aviv on December 22. He was fifty-eight years old. In 1924, Mr. Epstein organized Epstein, Reynolds & Harris Corporation, consulting chemists and engineers, Chicago, and two years later he formed the Emulsol Corporation of which he became president recently after many years as vice-president.

Dr. Frank M. Huntoon

Dr. Frank M. Huntoon, bacteriologist and former medical director of the H. K. Mulford Company, now Sharp & Dohme, pharmaceutical manufacturer, Philadelphia, died in Syracuse on December 21. He was sixty-seven years old. Dr. Huntoon was with the Mulford company from 1918 until 1925.

Peter T. Ingram

Peter T. Ingram, president of Gane & Ingram, Inc., Gane's Chemical Works, Inc., A. Maschmeijer, Jr., Inc., and Chemical Industries, Inc., died December 17. He was fifty-nine years old.

Mr. Ingram, in partnership with the late Eustace H. Gane, founded Gane & Ingram, Inc., in 1926. Two years later a manufacturing subsidiary was organized and called Gane's Chemical Works. In 1934 Mr. Ingram organized A. Maschmeijer, Jr., Inc., to manufacture aromatics.

William Mair

William Mair, writer on pharmaceutical subjects, died recently in Edinburgh, Scotland, at the age of eighty. Mr. Mair was a life member of the Pharmaceutical Society and Chemical Society, a life fellow of the Royal Scottish Geographical Society and an honorary member of the American Pharmaceutical Association. Among the books of which he was author are Index of New Remedies, Spirit Rebate Stock Book, and Indigenous Drugs of India.

Dr. Philip S. Winnek

Dr. Philip S. Winnek, biochemist in charge of chemotherapeutic research of the Maltine Company, Morris Plains, N. J., died December 18 in Morristown Memorial hospital, Morristown, N. J. He was forty years old.

While a research chemist for the American Cyanamid Company, Dr. Winnek had worked on the development of sulfadiazine and sulfaguanadine. He was formerly director of research of the Pitman-Moore Company.

Dr. Francis H. Curd, one of the discoverers, at Imperial Chemical Industries, Ltd., of the synthetic antimalarial drug, poludrine, was killed in the train wreck in the dense fog in Cheshire, England, November 30.

John Fill, sr., an employee of the muriatic division of the American Cyanamid Company in Linden, N. J., died December 21 of a heart attack. He was fifty-four years old.

Arthur Gardiner, vice-president and plant manager of the Shamokin Dye & Print Works, Inc., Shamokin, Pa., died December 19 in that city. He was sixty-seven years old.

Frank D. Jacoway, salesman of the New York & New Jersey Lubricant Company in the Atlanta, Ga., area, died recently. He was sixty-three years old.

William Moritz, a member of the clerical staff at the plant of the General Aniline & Film Corporation in Linden, N. J., died December 20. He was fifty years old.

Frank C. Park, member of the law department of the Union Carbide & Carbon Corporation, New York, died December 18 at his home in Chappaqua, N. Y. He was forty-nine years old.

E. Langley Rumph, Gulf states transportation and industrial zone representative of the Sherwin-Williams Company, died recently at his home in Houston, Tex. He was fifty-one years old.

U.S.I. Appoints Hitchcock To Insecticide Service Post

U. S. Industrial Chemicals, Inc., New York, has appointed Orville B. Hitchcock northwestern technical representative. In this capacity, he will give technical assistance to firms making use of the company's insecticide material, "Pyrenone," in part of the company's Pacific Coast division. Mr. Hitchcock's headquarters will be temporarily in Boseman, Mon.

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Textile and Leather Chemicals

Conditions in the textile and leather chemicals market remained steady, though trading was light and restricted to immediate needs. Consumers showed some inquiry for requirements during the first quarter of 1949, but contracts were not expected to be booked until after the turn of the year. Quotations were with change. The index was pegged at 366.5 last week and during the past month, compared with 396.3 a year ago.

Trading in sizing materials was confined to less than carlots quantities for immediate delivery. Prices were steady for the entire list. Corn dextrin and starch were inactive, but were maintained at prevailing levels. Potato starch was offered freely from Maine at unchanged quotations. Inventories at mills were reported increasing. Tapioca flour remained firm for spot and forward delivery.

There was no improvement in the quiet demand for tanning materials. Tanners were at the sidelines. Quotations were merely nominal owing to the lack of business of late.

Cattle hide leather production was indicated at 2,146,000 hides during October, compared with 2,157,000 in September, according to Tanners Council. Calf and whole kip skins totaled 894,000 against 857,000; goat and kid skins, 3,108,000 against 2,987,000 and sheep and lamb skins, 2,743,000, compared with 2,850,000.

Consumption of wool of the sheep, on a scoured basis, averaged 13,000,000 pounds per week during October, according to preliminary figures released by the Bureau of the Census. This quantity was slightly below the average weekly consumption for the previous month and about 3 percent lower than that for October last year. The wool consumed in October was 66 percent apparel class and 34 percent carpet class. Production of yarns on the woolen and worsted systems averaged 15,400,000 pounds per week in October. This quantity was 4 percent higher than woolen and worsted yarn production for September and approximately the same as that for October last year.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100 August 1, 1914)

Last week	Prev. week	Last month	Last year
366.5	366.5	366.5	396.3

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Market was quiet, but steady. New business was slow. Supplies not heavy and were maintained at current levels.

Bichromates—Contracts for delivery during the first quarter of 1949 were booked at prevailing quotations. Market remained strong. Export inquiry was fairly active. Surplus stocks continued light. Production of bichromate and chromate totaled 8,480 short tons in October, compared with 8,200 tons in September and 8,413 tons, October, 1947, according to the Census Bureau.

Soda Acetate—Business was inactive, though inquiry for early next year's requirements was quite active. Quotations were unchanged and firm.

Soda Hydrosulphite—Higher cost of zinc has strengthened this market. Some makers recently advanced quotations, while others have not followed suit as yet.

Sulphonated Oils—Higher prices for castor oil and lower cost of tallow have not as yet been reflected in the sulphonated grades. Trading was light, chiefly for immediate needs.

Dyestuffs

Annatto—Demand was quiet. Moderate lots on spot were quotably unchanged.

Cochineal—Limited quantities on spot were well held at former levels. Demand was confined to an occasional small lot for immediate needs.

Madder—Routine demand was noted last week. Prices were unchanged and steady.

Sizing Materials

Blood Albumin—Outside of a steady call for material against former contracts, this market was quiet, but steady. Quotations were unchanged for albumin and dried soluble blood.

Corn Dextrin—Although the market was inactive, which is usual at this season, quotations remained on a steady basis. Prices of all grades were unchanged.

Corn Starch—Moderate quantities were taken for immediate needs. Little improvement was expected in the demand for replacements until shortly after the turn of the year. Prices were unchanged and steady. Total 1948 corn production set a new record and was estimated 3,650,548,000 bushels, by the Department of Agriculture, compared with 2,383,970,000 bushels in 1947 and the 1937-46 average of 2,813,529,000 bushels. Visible supply of corn was increased 2,612,000 bushels to 40,542,000 bushels for the week ended December 18, compared with 11,287,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumen—Moderate small lot buying was noted last week. While trading was light, the market remained steady. Edible flake was unchanged at $2.65 to $2.75 per pound, depending upon quantity and technical at $1.48 to $1.55 per pound, same basis. Supplies on spot were not heavy. The egg price support program was extended through January at former prices, it was announced by the Department of Agriculture. Driers must certify the payment of 35c. per dozen to farmers, and the government buying price for dried eggs is from $1.26 to $1.28 per pound, depending upon packing.

Egg Yolk—Limited supplies of domestic yolk on spot and scarcity of the Chinese material kept this market in a steady position. Demand for domestic needs was fair, while export inquiry was reported fairly active. Prices were unchanged and steady, ranging from 96c. to $1.02 per pound, according to quantity and seller. Tanners egg yolk was quoted at 6½c. to 7c. per pound, as to quality and quantity.

Potato Starch—Demand continued restricted to less carlot quantities for prompt delivery. Quotations were unchanged and nominal at 6c. to 6¼c. per pound, carlots New York basis. Most of the business took place in the Maine product as Idaho producers offers due to freight charges were above eastern producers. Stocks were reported liberal. Supplies on the spot were held at 7½c. per pound, exwarehouse. Total potato production for 1948 was indicated at 445,850,000 bushels by the Department of Agriculture, compared with 389,048,000 bushels in 1947 and 1937-46 average of 392,143,000 bushels.

Sago Flour—Trading was slow. Light supplies on the spot were unchanged at 8¾c. per pound, exwarehouse. Shipments ranged from 8c. to 8½c. per pound, exdock, New York, depending upon quality.

Tapioca Flour—This market was unchanged and steady. Active demand for the high grades was unsatisfied, owing to the scarcity of supplies, which were quoted nominally from 10½c. to 10¾c. per pound, exwarehouse. Mediums were available at 8c. to 9½c. per pound, as to quality and quantity. Low grades were steadier at 6¾c., same basis.

Tanning Materials

Chestnut Extract—Quiet conditions continued to affect this market. Supplies were liberal for prompt delivery, with demand slow. Quotations were without change.

Mangrove Bark—Offers of exportable sizes for shipment from Africa continued scarce and the market was unchanged and nominal. Consuming inquiry was moderate.

Myrobalans—Consuming inquiry showed no improvement. Market was dull and listless. Nominal quotations were unchanged. Recent arrivals were reported at 1,280 bags at Norfolk against former contracts.

Quebracho Extract—This market continued dull and featureless. Consuming inquiry for replacements was reported at low ebb. Quotations were unchanged for shipment from the Argentine. Recent imports were larger, totaling 13,193 bags at Atlantic ports, against former contracts.

Valonia—Consuming inquiry for replacements continued inactive. Increased cost of shipments because of a short crop has reduced consuming interest in this material.

Wattle—Imports totaled 2,187 bales of bark and 7,148 bags of extract at New York and Philadelphia against previous contracts. Interest in replacements continued inactive. Market was steady at prevaling quotations for all grades.

For Late Market Developments, See Page 4

National Starch Using New Separating Process

The Indianapolis plant of National Starch Products, Inc., is the first plant in the corn wet milling industry separating starch on a 100 percent basis mechanically by means of a battery of high speed centrifugals, according to the company. These large machines built of stainless steel, totally enclosed, replace the old-fashioned "tables" customarily used.

In conjunction with this equipment, the company dries the separated starch in continuous fully automatic driers made by Proctor & Schwartz. These driers, each over 120 feet long, carry the starch on a perforated stainless steel belt while a blast of filtered hot air dries the starch in a matter of minutes. This quick drying tends to retard spore and bacterial growth, the company claims, and adds that the practical result of these innovation is that processing time has been reduced from approximately twenty-four hours to less than three hours.

Atlas Powder Produces Alkali-Stable Emulsifiers

Atlas Powder Company, Wilmington, Del., has announced the production of two new surface active agents under the trade name "Brij". They are for use in emulsifying or wetting where stability to high alkalinity or acidity is of primary importance.

Both of the new products are polyoxyethylene lauryl alcohols. "Brij 30" is generally water dispersible and oil soluble, according to the company, and is slightly more hydrophilic than sorbitan monolaurate. "Brij 35" is water soluble and compares in hydrophilic characteristics to polyoxyethylene monolaurate, the company states. Both products are in commercial production, and samples and technical data may be obtained from the company.

American Cyanamid Aids In New England to Retire

James I. Allen, New England representative of the American Cyanamid Company for products in the tanning and textile fields, and Daniel B. Morris, of the company's Boston office, will retire on December 31.

Mr. Allen was associated with the Newbert Color Company at the time it was acquired by A. Klipstein & Co., and remained with the organization when the latter company was merged with American Cyanamid Company. Mr. Morris was associated with the Kalbfleisch Corporation when it was acquired by the American Cyanamid organization in 1929. Since that time he has handled distribution of its products to the paper industry in New England.

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Coaltar Chemicals

No revisions in price were announced in the market for coaltar chemicals last week, but with the first of the new year only a short time away, it was expected that there might be some adjustments made in the listings of both the basic products and intermediates. Last week's quiet market left the index figure at 151.3, which represented no change from the previous week.

The industry was still uncertain on what might happen on January 1. Some materials, such as pyridin and alphapicoline, were thought likely to see increases. It was thought in some quarters, however, that some materials, such as cresylic acid and phenol, might take a downward course. One supplier pointed out last week that over a long period of time coaltar products had been in a rising market, but it was said that now that there were some easings in supply noted that the tendency might be reversed and prices of a few materials might begin to become lower.

Some grades of orthocresol recently were reduced and some sources in the industry felt that the other grades might likewise come down soon. What would happen to creosote was hard to say. One seller was expecting a pickup in demand, but with a great deal of the material on the market the increased requests for the material would have to be considerable to bring the market into balance.

Steel production last week fell off from its previous records of 100 percent or more of capacity. The American Iron and Steel Institute reported that companies having 94 percent of the capacity of the industry were scheduled at 88.6 percent production for the period. This was equivalent to 1,597,000 tons of steel ingots and castings, as compared to 1,802,500 tons during the previous week.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
151.3	151.3	156.9	140.3

(*For Current Prices see Page 9*)

Basic Products

Benzol—Just what would happen to the price schedules for this material after the first of the year was still a question last week. Earlier, there had been some suggestions that producers might revise their listings, but these indications were not very concrete, and by last week the situation still had not changed. It was thought possible that there might be revisions, but there was still nothing certain about it. One supplier said there were no revisions in sight at the moment and that the current listings might not be changed even after January 1.

Meanwhile, there was no notable change in the supply and demand picture. Demand continued to be felt at a strong rate and there were no indications that there would be any changes in this situation in the immediate future at least. Stocks were not at a particularly high level despite all that the industry could do to keep its facilities working at a point where it was able to satisfy as many customers as possible. While the material was still a hard-to-get item, it was generally possible for old, established customers to obtain enough of the material to satisfy their immediate needs.

Coaltar—The demand for this item continued to be felt at strong levels during the past week and the indications were that this condition would prevail for some time yet. Supplies, however, were still a bit on the tight side, despite all that producers could do to put as much of the material as possible on the market. There was some easing being noted by those who wanted to buy the material in carload and less than carload lots, but tankcar quantities remained somewhat more difficult to obtain. Pricewise, there were no changes reported in the listings for this material during the past week.

Creosote—Sellers of this material were looking forward to an improved demand during the year to come. This would, if it should come about, bring a reversal in the trend that had been noted through most of 1948. As one seller with a good position to study the market as a whole put it, the wood preserving industry is expecting better things during the next year, and one of the reasons for this is that business has been slow for some time and is more than due for a pickup.

Early in the year, because of difficulties with labor that made it troublesome to get timber out of the woods and because of adverse weather conditions which affected timber drying, there was a slowdown in the demand for this material to be used as a wood preservative. Then, too, there was the competition that came from structural steel and concrete products. The railroads, which consume great quantities of this material in treating ties and poles, had done a good deal of hand-to-mouth buying, and the sellers of creosote were looking for heavier orders from the railroads during the coming year. It was said that wood preserving lately has shown a trend towards becoming more popular, and the increasing cost of wood was seen as one of the factors causing this, because in many quarters it was felt that it was less costly to preserve wood than to replace it periodically.

Pricewise, there were no changes reported in the range of 16c. to 19½c. during the past week, and there were no indications that any were planned for the immediate future. The low of the range was established a few months back when the supply began to exceed the demand by considerable proportions. Not all sellers dropped their prices, however, although some on the high side of the range have been reported willing to shade their figures for orders in good quantity.

Cresol—The imported material last week continued to be in a better supply situation than the domestic. Recently, shipments of the material from abroad had been arriving in fairly good quantities and had helped boost the stock situation in this country. The domestic material was still not so free as the imported, and there were no indications that it would be in the immediate future, despite the fact that producers were doing all they could to keep their manufacturing facilities up to as high a point as possible. Demand for this grade continued to be felt at a strong level and there were no indications that there would be any changes in this situation in the immediate days to come. Pricewise, there were no revisions reported during the week, but it was known that the listings were being studied by some individual quarters of the trade, and therefore it was still fairly hard to tell just what might happen to the price structure for this item after the first of the year.

Cresylic Acid—The domestic material was not on the market in any great quantities during the past week. There had recently been some reports that indicated an easing as to supply, but when the situation was examined against the demand situation, it was seen that there still was not a great deal of the item available. Demand for it was at good levels and was expected to continue that way for the immediate future at least. The imported material was free as to supply, and was expected to stay that way for the immediate future at least. Buyers were said to be showing no great interest in taking on any more of this item in any great quantities at this time because they were well accommodated already, and importers were said to be waiting for the demand to increase so they might be able to dispose of some of the stocks they were carrying.

Pricewise, the market was reported to be quiet during the past week, but there were no definite indications as to what might happen to the material after the first of the year, although in some quar-

Coke By-Products

Estimates of by-product cokeoven operations in the week ended December 18 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,277,370
Ammonia sulphate	lbs.	33,077,160
Benzol	gals.	4,168,260
Coaltar	gals.	15,462,900
Creosote oil	gals.	860,544
Naphthalene, crude	lbs.	2,043,792
Phenol	lbs.	242,028
Toluol	gals.	833,652
Xylol	gals.	188,244

For Late Market Developments, See Page 4

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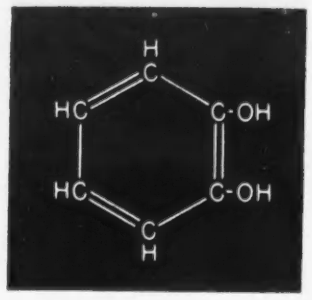

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ters it was felt that the listings might be adjusted.

Naphthalene — Pricewise, this material was in a quiet position during the past week. The supply and demand pictures remained about what they had been. Recently, there had been some talk of easing in the supply of both the crude and refined material, but such easing as there was, was not very considerable for the material was as yet not entirely free on the market. The market for the crude material had been helped somewhat in the recent past by the arrival of fairly good quantities of the product from abroad.

Phenol—Prices for this material were reported to be unchanged during the past week, although some reports were heard that the item might be adjusted in price after the first of the year.

There had recently been some signs of the supply of the USP material improving because of an increase in output, but when studied against the demand for the material it was seen that the increase could not be of any great help and that the material was still one of the items more difficult to obtain. The technical material remained in about the same position as far as supply was concerned and the demand for it likewise showed no particular change.

Pyridin—The denaturing grades recently had been reported somewhat better as to supply although the improvement was not of any considerable amount when the demand was studied along with it. The pharmaceutical grades were still in a tight position as far as supply went and there were no indications that they would show any appreciable improvement in the immediate future.

There were no changes reported in the price structure for this material during the past week but there had been some indications that the listings might be adjusted with the coming of the new year.

Solvent Naphtha—Tightness still prevailed in the supply of the crude material last week, and there were no indications that there would be any immediate changes in this condition. The demand situation was still what it had been for some time—strong, with no signs that it would show any decrease in the immediate future. There was some slight improvement in the supply of the refined material, but the demand for it was still continuing at a strong rate and for that reason it was still a fairly difficult item to obtain.

Pricewise, this material was quiet during the past week and, although there were no immediate indications that prices might be revised, the industry was keeping an eye on this item just the same as it was on all other materials, for it was expected that there might be some revisions in schedules here and there in the market.

Toluol—There were no changes reported in the listings for this material during the past week, and although there had been some talk earlier that the price schedules might be revised after the first of the year there was still no definite information reported which would lead to such a conclusion. In fact, in one quarter of the industry it was said that no changes were being planned, none were in sight and that present listings might very well prevail after the first of the year.

The supply and demand picture was largely what it had been in the recent past. There was not a great deal of this material available, but on the whole it was said that old, established customers were able to obtain enough of the material to satisfy their needs of the moment. Demand was at good levels and it was expected to stay that way for a while yet —at least, there were no signs of a decrease in the immediate future.

Xylol—This material, like benzol and toluol, was holding firm in a market that was featured by a fairly strong demand, while not any great supply of the item was available. There was not an absolute shortage, however, and for the most part customers of established standing were able to obtain as much of the material as they needed for their immediate wants.

Prices were said to be unchanged during the week. Earlier there had been some talk that they might be revised after the first of the year, but there was still no definite information announced on this possibility last week. One reliable source stated that price changes were not planned and that it probably would have no revisions after the first of the year.

Intermediates

Alphapicoline—There were no price changes announced for this material last week, but it was expected that the low

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side of the range would be revised upwards soon. There was nothing definite on this but it was said by one producer who was low that there would probably be an upward swing soon by that company which would bring the 27½c. figure into line with the now high of 30c. Another producer who was on the low side of the range was said to have no immediate plans for revisions.

Supplies of this item were tight, as they had been for some time, and as one producer stated, its customers were quickly taking all of the material that was being made, with the result that there were no stocks of it being carried on hand. The material was regarded as one of the tightest in the field as far as supply was concerned.

Gammapicoline—The 95 percent material was being offered at $1 to $1.05 last week, but there was not a great deal of demand for it. One producer stated that it was feeling a demand for the item in only small quantities and that at present it was not making any and did not expect to make any from now on. Another producer said it had some stocks of the item available but the demand was not coming in, in any great quantity.

Orthocresol—The pure, 30° material and the technical, 29-30° were reduced in price during the previous week, but there were no revisions made in the listings of the other grades. Last week one producer said it felt that the other grades would probably follow suit shortly. Another producer was planning to hold its present prices until the first of the year, while a third was said to be studying the matter, although it had no definite word on what action it would take. Both supply and demand were small.

Phthalic Anhydride—The supply of this material was still not abundant during the past week, nor had it been for some time. Demand was good and was expected to continue that way for the immediate future at least. Prices were still holding at previous listings.

One producer, who had recently put new facilities into operation, announced that it was now at capacity production, which meant about 8,000,000 pounds of the item a year.

Phthalic Anhydride Plant Planned Near Copenhagen

Three Scandinavian chemical firms (Sadolin & Holmblad A/S, Denmark; Upsala Ekeby A/S, Sweden; and Norsk Spraengatofindustri, A/S, Norway) have formed a joint company to establish a phthalic anhydride plant near Copenhagen, Denmark, a foreign chemical publication states. The plant is expected to be completed by 1950 and may be able to supply the demand of these countries for the material.

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Petroleum Derivatives

The trade wrote finis last week to the most recent attempt to boost crude petroleum postings, as the remaining supporters of the 35-cent increase called it quits. Leveling off of crude oil prices at lower levels was foreshadowed during the previous week when the leader in the drive rescinded the advance because of lack of competitive endorsement.

Underlying these developments was the unexpectedly easy supply situation. Meanwhile, a bright long-run picture was painted during the week by one industry official, who predicted that domestic and foreign petroleum reserves would adequately cover all foreseeable world requirements for the next 264 years.

In the market for derivatives, stabilization of crude oil at lower postings firmed up the price outlook considerably, according to trade observers. Aromatics were still in short supply, but all regulars continued to be well stocked. Inventories of higher boiling range aromatics and aliphatic-aromatic blends were unchanged, available on contract, but unobtainable on spot. Aliphatics were readily available to all buyers, according to most sellers.

In what was viewed as further testimony to the easing supply situation, one Eastern producer late last week lowered heavy fuel another 25 cents per barrel and decreased diesel fuels about one-fifth cent per gallon. Wholesale gasoline prices of that company were increased one-half cent per gallon at the same time. The week's action on fuels rolled prices back to levels of November, 1947.

Solvents and Diluents

Aromatic Solvents — Stabilization of crude oil at lower postings during the week firmed up the aromatics price picture considerably, according to most trade observers. The spokesman of one company predicted that in all probability the price structure of petroleum toluol and xylol would be maintained at least through the middle of February, barring unforeseen developments. Meanwhile, supplies were slightly better, although the overall situation remained short. Stocks were sufficient to cover the needs of all regular accounts, but new business was still being discouraged. One seller reported that 1949 contracts were being negotiated with long-standing customers to insure steady deliveries during the forthcoming year.

Meanwhile, the supply position of higher boiling range aromatics and aliphatic-aromatic blends were without noticeable change. Shipments continued to go out steadily to all regulars, but because of the limited overall situation there was no offerings on spot. Prices were firm, and no changes were anticipated.

Cleaners' Naphtha — Collapse of the movement for higher crude petroleum postings produced price optimism in the market for this and other aliphatics last week. Quotations, which were firm at 10⅝c. to 12c., group 3, and 14c., East Coast, were expected to remain stable during the first six weeks of 1949, at least. Supplies remained excellent, and both spot and contract bids were entertained. Buying interest was on a par with previous levels.

Lacquer Diluent — The price structure was unchanged during the period under review, and no fluctuations were anticipated in the immediate future. East Coast listings were uniform at 16c., while, in group 3, the material commanded 12¼c. to 13c. Inventories were plentiful, and offerings were freely available to all comers. Demand was fair.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 11 totaled 237,735,000 barrels, according to the Bureau of Mines. Compared with the total of 233,932,000 barrels for the preceding week, this represents an increase of 3,803,000 barrels, comprising an increase of 2,587,000 barrels in stocks of domestic crude and an increase of 1,216,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 9,777,000 barrels, an increase of 38,000 barrels.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Mineral Spirits—In view of the leveling off of crude oil quotations, little price movement was expected in this section. Listings, which were stable at 14c., East Coast, and 10¼c. to 11⅛c., group 3, were expected to remain unchanged well into 1949. Most producers reported good supply situations, with offerings readily available both on contract and on spot. Demand was unvaried.

Rubber Solvents—Inventories continued ample during the past week. Both spot and contract offerings were reported. Demand, though not heavy, remained unvaried. Prices were steady at 15c., East Coast, and 11c. to 11⅜c., group 3. Because of the demise of higher crude oil proponents, little, if any, change was expected in this section in the immediate future.

Stoddard Solvent—Stocks were excellent for the most part, with offerings in free availability to all buyers. Interest from consuming trades was maintained at previous levels. Quotations were similarly stable, and in view of recent crude oil development, firmness was expected to prevail well into 1949. Last week listings were at 14c., East Coast, and at 11c. to 11⅜c., group 3.

V. M. & P. Naphtha—The price structure continued constant. Expectations in the trade last week were that quotations would continue steady until, at least, the middle of February. During the week, listings were at 15c., East Coast, and at a range of 11¼c. to 12c., group 3. Demand was unchanged. The supply position was good, with offerings in good availability to both spot and contract customers.

Lighter Fractions

Producers of propane continued to report availability of spot cars last week. However, with storm conditions reported in wide areas throughout the country, it was expected that supplies would return to their customarily short position within the next week or ten days.

Waxes

Paraffin—Low-melting grades continued extremely scarce during the period under review. Demand for these waxes was reported to be considerably ahead of production. Other grades of paraffin were in ample supply, however, and offerings were in sufficiently good volume to cover all current requirements. Crude scale quotations were still not available on the open market, but fully-refined paraffin held steady at a range of 6 9/10c. to 8c. per pound, slabs, loose, carload, refinery.

Miscellaneous

Crude Oil—The drive for higher crude petroleum prices was declared officially dead last week, as the remaining supporters of the 35c. per barrel increase moved back into line with the rest of the industry. This development was foreshadowed during the previous week when the leading advocate of the price boost withdrew to lower postings because of lack of competitive endorsement. Trade observers indicated that the basic cause underlying the failure of this attempt to advance crude oil prices was the unexpected loosening of stocks.

Meanwhile, one industry official last week voiced optimism over the long-run supply picture, predicting that productive capacity in the oil industry for a number of years ahead would be in excess of demand, barring war. According to surveys of his company, domestic and foreign petroleum reserves are sufficient to cover all foreseeable world requirements for the next 264 years. In addition, he said that it may be possible before long "to produce synthetic fuels on a basis that is competitive with production of oil products from crude petroleum."

Fuel Oils—Continued easing of oil stocks produced another drop in the market late last week, as one Eastern producer announced further reductions on heavy and diesel fuels of 25c. per barrel and 1½c. per gallon, respectively. Coupled with last month's price slash, the move rolls back fuel prices to levels of November, 1947.

Gasoline—Wholesale prices of one Eastern supplier went up ½c. per gallon.

For Late Market Developments, See Page 4

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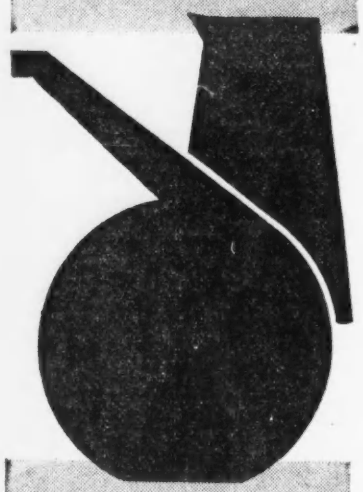

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Drugs and Fine Chemicals

As a result of wide spread price cutting under former official quotations, the alcohol market dropped another 3c. per gallon late last week. The drop in price was 3c. per gallon under some former official listings, and 3½c. under others depending upon the formula and the producer. Most producers moved to meet any variation in price quotations that were found to exist. Meanwhile, there were some special price concessions still being offered.

The pharmaceutical industry was experiencing the holiday slump that is characteristic of the year end, and business was expected to remain quiet until around the middle of January. Prices were firm on all drug items.

Despite the sudden advance of $14 to $15 dollars per flask on mercury metal, mercury salts did not yet follow the advance. Producers of salts, in view of the currently low demand, tended to hold off on any price advances until they could observe the behavior of the metal market for a while.

Milk powder was somewhat stronger pricewise, but the market continued relatively slow and supplies were abundant. Glycerin was steady in price, while a close balance between supply and demand was maintained and inventories at the year end remained lower than normal.

Offerings of castor beans were virtually non-existent, and there was a ½ cent per pound advance in the price of oil. Fishliver oils and codliver oil were firm pricewise, with supplies continuing short. Penicillin and streptomycin were unchanged, the former being plentiful and the latter easier than heretofore.

Methanol was still quoted under a price spread in drum quantities for spot material with contract prices expected to be uniformly higher at the new year. Silver nitrate prices were unchanged. Supplies of methylethyl ketone and most of the other ketone solvents were in good supply under a firm price structure which was expected to hold, unless there should develop in the market a further reduction in ester solvents.

Acetone—Supplies of this material were quite satisfactory, according to most producers. Prices were firm and expected to enter the new year unchanged from levels prevailing over recent months. A price of 8½c. per pound was general throughout the industry for tankcar quantities.

Alcohol—A further break in the alcohol market developed late last week as a result of continued wide-spread price cutting on the part of certain sections of the industry. On those formulas which had previously shown a ½c. spread between official former listings, such as CDA and 23-H formulas, the drop in prices amounted to a range of 3c. to 3½c. per gallon.

Tax-free 190 proof alcohol was priced at 43c. per gallon in tankcars, while on the same basis SD-1 was 46c.; 2-B was 44½c.; 23-H was 46½c.; 29 was 44½c. and proprietary solvent 47c.

Allyl Alcohol—Price quotations effective January 1 indicated that the tankcar price on this item would continue at 25c. per pound with drum carlots quoted at 26½c. and less than drum carlots at 27½c. Supplies were reported as adequate.

Allyl Chloride—This material was sufficiently available to meet all calls and its price structure of 15c. per pound in tankcars, 16½c. in drum carlots, and 17c. in less than carlot drum quantities was firm. These prices were expected to hold unchanged well into the new year.

Butyl Alcohol—The tertiary product was firm in price during the past week, and was expected to remain so for the coming first quarter of next year. Supplies were reported as adequate. In the event of any further reduction in the price of fermentation alcohols, there would likely be a reduction from the present 12c. price on tankcar quantities of this item. However, the current outlook on butyl ester and fermentation alcohol was one of stability.

Caffeine—The price structure of this item held firm last week, and was expected to carry over into the new year unchanged. Supplies were reported as quite adequate in a market characterized by moderate demand.

United States imports of tea waste used in the manufacture of caffeine during the first nine months of this year amounted to 8,518,484 pounds valued at $479,585.

Market Trends

Prices Advanced

Milk powder, skimmed, roller process, ¼c. per lb.
spray process, ¾c. per lb.

Prices Reduced

Alcohol, ethyl, 3c. per gal.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
258.5	258.6	259.0	256.3

(For Current Prices see Page 9)

Camphor—Prices of domestically produced synthetic material were firm last week, and demand was generally steady at a reduced volume compared to a year ago. The medicinal grade was in some increased demand seasonally but the technical grades used in certain plastic work was off in demand because of conditions currently prevailing in the plastics industry, as well as a trend away from certain materials based on camphor in favor of other plastics.

Imports of natural camphor into the United States amounted to 167,723 pounds during the first nine months of 1948. These imports were valued at $50,978. Shipments came from China in the amount of 100,823 pounds and from Japan in the amount of 66,900 pounds. There was virtually no natural camphor on the American market because of the price advantage of synthetic material over the natural.

Castor Oil—The price of castor oil advanced ½c. per pound last week. Castor beans were not being offered, and the price was nominal at $125 per long ton, based on buyers ideas.

Arrivals of castor beans last week totaled 84,686 bags equivalent to 12,702,850 pounds, compared to 57,461 bags or 8,619,150 pounds the previous week and 73,968 bags or 11,095,200 pounds during the corresponding period of last year.

Total arrivals since January 1 of this year amounted to 1,481,998 bags equivalent to 222,395,709 pounds, compared to 1,682,546 bags or 252,381,900 pounds during the corresponding period of last year.

Diacetone Alcohol—This item was in a firm market position last week and price announcements for January 1 by several producers indicated that there would be no change from the 12c. quotation prevailing over recent months on tankcar quantities of acetone free alcohol. Meanwhile the technical material was quoted at 12½c. There was no change in drum differentials in relation to tankcar quotations, the acetone free material being quoted at 13½c. in drum carlots, and 14c. in less than drum carlot quantities.

Di-isobutylene — This material was firmly priced in tankcars at 5½c. per pound last week, and there were sound indications that the present quotations would hold well into the first quarter of the new year. Demand was generally steady and supplies were described as adequate.

Epichlorhydrin — The demand for this material remained rather quiet and it was an item that moved in relatively small volume. Prices prevailing over recent months were unchanged, with January 1 prices being announced at 35c. per pound in tankcars, 36½c. in drum carlots, and 37c. in less than drum carlot quantities.

Fishliver Oil—Prices for quality oil remained unchanged from quotations prevailing over the last few weeks, and are as quoted in the prices current section of OPD, the range of prices indicated varying as to the quality of oil in terms of vitamin A units per gram.

Reports from Los Angeles indicated fishliver oils there were down in price somewhat from previous levels. Supplies were limited. The 8,000 to 15,000 unit oil was priced at 22c.; 20,000 to 25,000 unit oil at 26c.; 30,000 to 40,000 unit oil from 30c. to 31c.; 50,000 unit oil 33c.; 100,000 unit oil from 39c. to 41c.; and 150,000 to 200,000 unit oil at 42c.

Venezuela is a source of small quantities of fishliver oil. 1947 exports of fishliver oil to the United States amounted to 6,100 pounds, valued at $2,000. Exports of partly refined oil amounted to 27,800 pounds, valued at $17,352.

Glycerin—Virtually all available crude glycerin was bought up and the demand for refined glycerin was such that producers of natural glycerin were ending the year with inventories at a low volume. Prices were firm and likely to remain so well into the first quarter.

Mercurials—The price structure of mer-

For Late Market Developments, See Page 4

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cury salts remained unchanged last week, despite the advance of metal by some $14 or more per flask. Demand for mercury salts was weak, and it was expected that in view of that situation the price of salts might not be adjusted upward before the new year. In the meantime, there might be some settling down of metal prices.

Methanol—October production of natural methanol was reported as 186,000 gallons, compared with 191,000 gallons in September, and 226,000 gallons during October of last year, according to a Bureau of Census release. Prices were unchanged for tank car quantities of synthetic methanol, but the price structure of drum carlot and less carlot quantities was in process of being advanced effective January 1 on contract, with some spot material already up in which zone 1 prices stood at 40c. per gallon for carlot drum shipments and 43c. for less than carlot drum quantities.

Methylisobutyl Ketone—While the current price of this material was listed at 12½c. per pound in tankcars, 14c. in drum carlots, and 14½c. in less than carlot quantities, there was somewhat less assurance that these prices would prevail through the first quarter of next year. Such schedules were announced effective January 1, and would likely hold, unless there were some significant price changes made in the ester solvents, which if they were to drop suddenly because of the ethyl alcohol situation, might have the effect of depressing the price structure of this item.

Milk Powder—Purchases of skimmed milk by the Department of Agriculture for the week ended December 16 amounted to 2,489,504 pounds of spray process material and 1,163,912 pounds of roller process material. These purchasers left the total to date this year, far behind the purchases for the corresponding period of last year.

Meanwhile, the domestic demand for milk powders remained low and supplies were abundant from comparatively heavy inventories. Out of 4,741,096 pounds of spray process skimmed dry milk offered, the CCC purchased 4,621,096 pounds, and out of 1,457,618 pounds of roller process skimmed milk offered, CCC purchased 1,417,618 pounds.

Whole milk powder remained unchanged in price, but there were advances of ¼c. on skimmed roller process milk powder, and ¾c. on spray process material noted.

Papaverine Hydrochloride—The price structure on this item remained unchanged from the level established last month when prices were reduced to $5 per ounce in 1,000-ounce lots, and similar reductions were made on smaller quantities. Demand was moderate, and supplies generally adequate.

Potassium Acetate—This material of USP grade remained at 31c. per pound in 200-pound drums. Supplies were quite adequate to meet all demands, and trading was currently reported as slow.

Potassium Bicarbonate—The price of 20c. per pound for granular USP material in drums held firm last week, with no indications of any change in the immediate future. Supplies were quite ample, and demand was such that trading was steady but slow.

Silver Nitrate—The price structure of this material held firm to levels of recent weeks, despite some slight recent variations in the price of silver bullion. The supply situation was desribed as adequate.

Production of silver nitrate in October was reported by the Bureau of Census as amounting to 4,246,000 ounces, compared to the revised September figure of 4,072,000 ounces in September and 3,669,000 ounces in October of last year.

Streptomycin—Both the regular streptomycin and the dihydrostreptomycin held firm in price last week, and were moving in heavy volume. Prices were expected to hold firm for the immediate future. Supplies were in an appreciably easier position than over recent months, with all necessary demands for domestic quantities of streptomycin being readily supplied, and more material available for export. This easing of supplies was due entirely to expanded production facilities which made greatly increased quantities available, while the demand and consumption were on the increase.

Production in September totaled 4,269,005 grams, compared to 3,144,830 grams in August, according to a Tariff Commission report.

Sucrose Octa-acetate — The current price position on this material quoted in less than carlot drum quantities was on an f.o.b. works basis and stood at 60c. per pound for the denaturing grade and 55c. for the technical grade.

Sugar—Distribution for the week ended December 11 was reported as totaling 139,358 short tons on a raw value basis, compared with 123,912 tons the previous week, and 76,984 tons the corresponding week of last year, according to the Department of Agriculture.

Sulpha Drugs—The demand for these materials was on the increase as a result

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McK.&R. Advertising Head

D. C. Berry has been appointed manager of the advertising department of McKesson & Robbins, Inc., New York. Mr. Berry, formerly assistant advertising manager, succeeds the late L. M. Van Riper who died early this month. Previous to his association with McKesson & Robbins in 1944, he was assistant advertising manager of Schieffelin & Co., wholesale druggist and manufacturer, New York.

of colder weather which brings a seasonal heavier inquiry. Prices were firm, and no change in the immediate future was anticipated. Production of sulpha drugs in September was reported by the Tariff Commission as totalling 275,018 pounds, compared to 164,267 pounds in August.

Thiamin Hydrochloride — The Winter season brought a heavier general demand for this item. Prices were firm at levels prevailing over recent months. Production for September reported by the Tariff Commission amounted to 17,462 pounds, compared to 9,061 pounds in August.

Cinchona Market Recovery By Indonesia in Doubt

It appears, says *The Public Ledger* (London), that Indonesia will lose a large part of its export trade in cinchona and its compounds as a result of the war.

Of the prewar world annual consumption of quinine, ranging around 1,000 tons, about 90 percent was supplied by Indonesia. When the Japanese occupied the area the world had to face the problem of finding substitutes or supply from other areas. This it did and it is understood that there are still stocks of these substitutes and also of quinine, which will have to be used up before new purchases are made. Several of the substitutes, too, are at present preferred to quinine, particularly for special kinds of malaria diseases.

Indonesia has now also to face competition from other countries, including the Belgian Congo, where production has increased to 150 tons of compounds a year; while France is experimenting at no less than fourteen places in its empire in order to establish its own quinine culture.

The Indonesian quinine industry and estates are thus at present facing a situation in which their production capacity, both in the raw product and processed medicines, is much too large for the drastically restricted outlets abroad.

The present world consumption of quinine is estimated at between 800 tons and 1,000 tons a year, while next year's sales of quinine compounds derived from Indonesian cinchona bark are not expected to exceed 250 tons. Against this, the bark production capacity of the Indonesian estates is only slightly lower than prewar.

It is expected that part of the lost territory can be recovered; but, on the other hand, it is seriously doubted whether it will be possible to regain in the future the prewar level of sales abroad.

In view of these circumstances it is suggested that a crop restriction and regulation scheme has become necessary.

Trade Briefs

Evans Research & Development Corporation has appointed Mary E. McOwen to its staff.

Herbert A. Strate, vice-president in charge of sales for Strong Cobb & Co., manufacturing chemists, Cleveland, has been elected to the board of directors.

General Drug Company, New York, has published a folder outling some of the uses of vanillin and the advantages to be gained by use of "Zimco" pure lignin vanillin.

Physical Science Posts Open in Federal Service

The United States Civil Service Commission has announced an examination for "Physical Science Administrator" for positions in Washington, D. C., and vicinity, paying $5,232 to $10,305 a year.

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Further information and application forms may be obtained at most first- and second-class post offices, from Civil Service regional offices, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications will be accepted until further notice in the Commission's Washington office.

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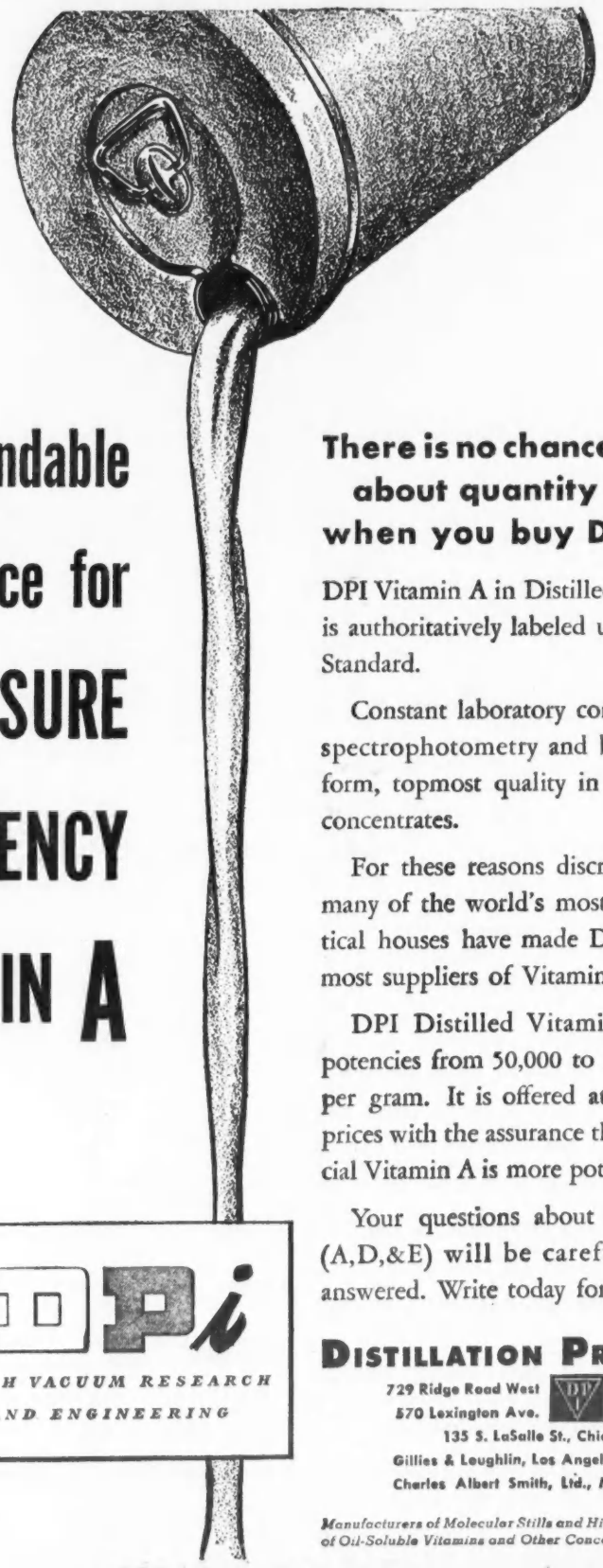

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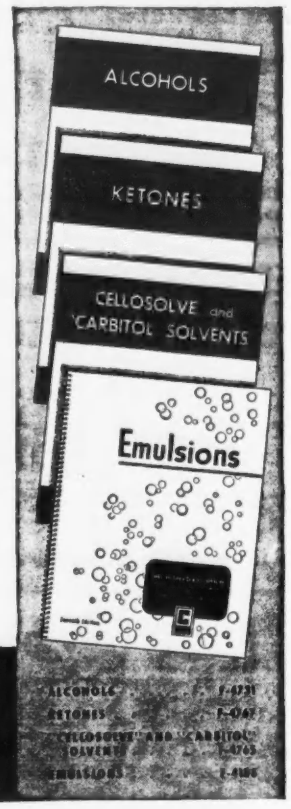

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2 bbls, Gondrand Bros, American Judge, Rotterdam
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75 bgs, Stein Hall & Co, Cape Mohican, Amsterdam
93 bgs, J W Hanson & Co, Cape Mohican, Amsterdam
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36 bgs, Irving Trust Co, Borinquen, Trujillo City
22 bgs, Poons & Co, Borinquen, Trujillo City
11 bgs, Schutte & Focke Co, Borinquen, Trujillo City
80 bgs, Sam Zeitlins Co, Mormacrio, Paranagua
200 bgs, Guaranty Trust Co, Mormacrio, Rio de Janeiro
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8,000 bgs, States Grain Corp, Westerdam, Rotterdam
1,091 bgs, North American Continental Co, Westerdam, Rotterdam
6,500 bgs, States Grain Co, Veendam, Rotterdam
BELLADONNA LEAVES—66 bls, Chase National Bank, Exford, Bourgas
BERGAMOT OIL—40 cs, Bank of Manhattan Co, Hellenic Wave, Messina
20 cs, Hellenic Wave, Messina
BERYL ORE—500 bgs, Metal Trades, Inc, Mormacisle, Maccio
500 bgs, Chase National Bank, Mormacisle, Maccio
BONES, INDUSTRIAL—4 cars, Seatrain Havana, Havana
BUCHU LEAVES—7 cs, H S Dorf & Co, American Flyer, London
CANANGA OIL—1 dm, George Lueders & Co, Javanese Prince, Singapore
2 dms, Ungerer & Co, Muncaster, Singapore
CARNAUBA WAX—56 bgs, Lenape Trading Co, Rio Dale, Fortaleza
56 bgs, F B Ross Co, Rio Dale, Fortaleza
56 bgs, Innis Speiden & Co, Rio Dale, Fortaleza
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75 bgs, F B Ross Co, Mormacisle, Bahia
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67 bgs, Strahl & Pitsch, Inc, Mormacisle, Fortaleza
222 bgs, S C Johnson & Sons, Mormacisle, Fortaleza
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CASHEWNUT OIL—59 dms, Irvington Varnish & Insulator Co, Marine Flyer, Bombay
CASSIA—20 bgs, Veendam, Rotterdam
240 bls, C Czarnikow, Grete Maersk, Hongkong
350 bls, Wah Young Co, Grete Maersk, Hongkong
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100 bls, Sino Java Handel, Grete Maersk, Hongkong
285 bls, Wah Young Co, Grete Maersk, Hongkong
100 bls, Arnold & Co, Grete Maersk, Hongkong
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100 bls, Chas T Wilson Co, Pioneer Sea, Hongkong
100 bls, W M Allison & Co, Pioneer Sea, Hongkong
50 bls, Husmoco American Co, Pioneer Sea, Hongkong
CASSIA OIL—3 dms, Dodge & Olcott Co, Grete Maersk, Hongkong
CASTORBEANS—4,790 bgs, Spencer Kellogg & Sons, Inc, Rio Dale, Fortaleza
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4,250 bgs, Guaranty Trust Co, Loide Venezuela, Salvador
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1,720 bgs, Baker Castor Oil Co, Loide Venezuela, Santos
8,039 bgs, Baker Castor Oil Co, Mormacrio, Santos
2,050 bgs, Spencer Kellogg & Sons, Inc, Mormacrio, Santos
3,400 bgs, Sherwin-Williams Co, Mormacrio, Bahia
5,100 bgs, Baker Castor Oil Co, Kirsten, Bahia
CASTOR OIL—250 dms, Murray Oil Products Corp, Mormacrio, Santos
CERAMIC COLOR—2 cs, B F Drakenfeld Co, Media, Liverpool
14 cs, J E Bernard Co, Media, Liverpool
CHEMICALS—31 dms, M Michel & Co, Westerdam, Rotterdam
CHINCHEREE FLOWERS — 16 cs, Greenhouse Flower Corp, Constantia, Capetown
CINNAMON QUILLS—150 bls, Marine Flyer, Colombo
CITRONELLA OIL—8 dms, J Berlage Co, Nuevo Dominicano, Puerto Plata
COCONUT OIL—772 tons, Lever Bros Co, Muncaster, Cebu
282 tons, Grete, Maersk, Manila
1,000 tons, Grete, Maersk, Manila
200 tons, El Dorado Oil Works, Grete, Maersk, Manila
195 tons, Philippe Ref Corp, Pioneer Sea, Manila
400 tons, E F Drew Co, Pioneer Sea, Manila
CODLIVER OIL—30 dms, J Kristanssen Co, Katla, Reykjavik
COPAL GUM—1 bg, J A McNulty, American Flyer, London
COTTON LINTERS—250 bls, Williamson Northrup Co, Mormacrio, Santos
490 bls, New England Waste Co, Tekla, Santos
COTTON LINTERS—493 bls, Loide Venezuela, Santos
CREAM OF TARTAR—400 kegs, Nevi Trading Co, Marine Flyer, Genoa
CREAM OF TARTAR—100 bbls, Manufacturers Trust Co, Hellenic Wave, Genoa
CRESYLIC ACID—200 dms, The Walton Chemical Corp, American Forwarder, Glasgow
71 dms, American Forwarder, Glasgow
119 dms, Bakelite Corp, American Forwarder, Manchester
50 dms, American Forwarder, Manchester
208 dms, Javanese Prince, Halifax
50 dms, Media, Liverpool
228 dms, Monsanto Chemical Works, Media, Liverpool
CUBE ROOT—1,005 bls, Astoria Pan Americana, Inc, Mormacisle, Belem Para
289 bls, E A Godoy Co, Mormacisle, Belem Para
DAMMAR GUM—25 cs, American Cyanamid Co, Muncaster, Singapore
DEXTRIN—100 bgs, Stein, Hall & Co, Veendam, Rotterdam
100 bgs, Stein, Hall & Co, Averdijk, Rotterdam
DIACETYLAMINOAZOTOLUENE—1 dm, American Roland Co, Averdijk, Rotterdam
DIGITALIS LEAVES—109 bls, Chase National Bank, Exford, Bourgas
DURALUMINUM—197 bdls, Max Ettlinger, Eucadia, Glasgow
ESSENTIAL OIL—2 cs, G J Danco & Co, Marine Flyer, Marseille
15 cs, U S Rubber Co, Marine Flyer, Marseille
6 dms, Fritzsche Bros, Inc, Marine Flyer, Marseille
4 dms, Antoine Chiris, Marine Flyer, Marseille
1 cs, George Uhe Co, Marine Flyer, Marseille
10 dms, Fritzsche Bros, Inc, Grete Maersk, Hongkong
FISHLIVER OIL—40 dms, Consumers Import Co, Pioneer Sea, Yokohama
FLEASEED—561 bgs, R J Prentiss & Co, Marine Flyer, Bombay
112 bgs, Peek & Velsor, Inc, Marine Flyer, Bombay
FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
GLYCERIN—2 cars, Procter & Gamble Co, Seatrain Havana, Havana
GYPSUM, CRUDE—10,153 tons, U S Gypsum Co, Gypsum Queen, Hantsport
GRAPHITE—300 bgs, Stern Morgenthau Co, Javanese Prince, Hongkong
H ACID—29 bbls, Fallek Products Co, Exford, Genoa
HAARLEM OIL—10 cs, Monger Mfg, Co, Veendam, Rotterdam
KARAYA GUM—123 bgs, Dodwell & Co, Marine Flyer, Bombay
184 bgs, Jacques Wolf Co, Marine Flyer, Bombay
26 bgs, S B Penick & Co, Marine Flyer, Bombay
167 bgs, Innis Speiden & Co, Marine Flyer, Bombay
133 bgs, Stein, Hall & Co, Marine Flyer, Bombay
66 bgs, J B Gruman Co, Marine Flyer, Bombay
133 bgs, Dodwell & Co, Marine Flyer, Bombay
266 bgs, J H Reed, Marine Flyer, Bombay
LEAD—1,985 ingots, Ayrton Metal Co, Flying Trader, Genoa
1,895 ingots, Ayrton Metal Co, Flying Trader, Genoa
3,938 ingots, Assoc Metal & Minerals Corp, Cape Mohican, Rotterdam
1,680 ingots, C Gitlan, American Judge, Antwerp
220 ingots, American Judge, Antwerp
21 tons, American Judge, Antwerp
50 tons, American Smelting & Refg Co, Exford, Genoa
50 tons, Ferro Metal & Chemical Corp, Exford, Genoa
1,148 pigs, C P Hull Co, Marengo, Hull
550 pigs, Glidden Co, Marengo, Hull
600 pigs, United American Metal Corp, Marengo, Hull
435 pigs, International Mineral & Metal Corp, Marengo, Hull
440 pigs, Caswell Strauss Co, Pioneer Sea, Hongkong
801 ingots, Ferro Metal & Chemical Corp, Giovanna, Genoa
13,956 bars, American Metal Co, Santa Luisa, Callao
LECHE CASPI GUM—710 cs, Astoria Pan Americana, Inc, Mormacisle, Belem Para
LEMON OIL—40 cs, Bank of Manhattan Co, Hellenic Wave, Messina
200 cs, Brown Bros Harriman Co, Hellenic Wave, Messina
LEMONGRASS OIL—2 dms, Norda Essential Oil & Chemical Works, Coastal Messenger, Port au Prince
16 dms, Volkart Bros, Tekla, Santos
LIVERMEAL—626 bgs, Bunge Corp, Kirsten, Buenos Aires
LOCUSTBEAN GUM—160 bgs, S B Penick & Co, Sonnavind, Limasol
80 bgs, Stein Hall & Co, Sonnavind, Limasol
15 bgs, Tragacanth Import Co, Sonnavind, Limasol
250 bgs, Brown Bros, Harriman Co, Giovanna, Genoa
200 bgs, T M Duche & Sons, Marine Flyer, Genoa
250 bgs, Brown Bros, Harriman Co, Exchorda, Genoa
100 bgs, Public National Bank, Media, Liverpool
MAGNESIUM CARBONATE—50 cs, Hellenic Wave, Genoa
MAGNESIUM HYDRATE—40 bgs, Reheis Co, Media, Liverpool
MAGNESIUM TRISILICATE—50 cs, Reheis Co, Media, Liverpool
MANDARIN OIL—4 cs, New York Trust Co, Giovanna, Messina
MANGANESE DIOXIDE—17 cs, American Leader, London
MANGROVE EXTRACT—3,200 bgs, Saxe Cutch Corp, Javanese Prince, Singapore
MARJORAM—40 bgs, J A Marichal, Borinquen, Trujillo City
MEDICINAL HERBS—29 bls, Peek & Velsor, Inc, Cape Mohican, Antwerp
28 bls, American Judge, Antwerp
2 cs, Taub Hummel & Schmoll, Inc, Westerdam, Antwerp
MEDICINAL HERBS—7 cs, J B Budde, Exchorda, Leghorn
14 bgs, Peek & Velsor, Inc, Exchorda, Leghorn
MENTHOL CRYSTALS—25 cs, Volkart Bros, Tekla, Santos
25 cs, Paul A Dunkel Co, Grete Maersk, Shanghai
50 cs, Norda Essential Oil & Chemical Co, Grete Maersk, Shanghai
20 cs, R J Prentiss & Co, Grete Maersk, Hongkong
MENTHOL CRYSTALS—10 cs, R J Prentiss & Co, Pioneer Sea, Shanghai
20 cs, Magnus, Maybee & Reynard, Inc, Pioneer Sea, Shanghai
MICA—8 cs, Ford Radio & Mica Co, Tekla, Buenos Aires
83 cs, Vilco, Inc, Tekla, Buenos Aires
74 cs, Colonial Trust Co, Tekla, Rio de Janeiro
70 cs, Colonial Trust Co, American Leader, London
81 cs, Cosmopolitan Trading Co, Mormacrio, Rio de Janeiro
21 cs, America Mica Works, Mormacrio, Rio de Janeiro
3 cs, Andrew Lager, Mormacrio, Rio de Janeiro
64 cs, Colonial Trust Co, Kirsten, Rio de Janeiro
18 cs, J J Kovacs, Kirsten, Rio de Janeiro

MICA—82 cs, Sylvania Elec Prod Corp, Sygna, Rio de Janeiro
66 cs, Ford Radio & Mica Co, Sygna, Rio de Janeiro
85 cs, Eugene Munsell Co, Sygna, Rio de Janeiro
15 cs, Brown Bros Harriman Co, American Flyer, London

MUSTARD—360 bgs, Atlantic Sales Corp, American Leader, London

BRAN—340 bgs, Atlantic Sales Co, American Flyer, London

NAPHTHALENE—3,933 bgs, Elbert & Co, Cape Mohican, Antwerp
910 bgs, American Cyanamid Co, Cape Mohican, Antwerp

NEROLI OIL—1 cs, Coty, Inc, Marine Flyer, Genoa

OLIBANUM GUM—50 bgs, The Tragacanth Import Co, Marine Flyer, Bombay

ORANGE OIL—1 dm, Citrus & Allied Essential Oil Co, Agwiqueen, Puerto Plata
38 cs, Orbis Products Co, Mormacrio, Santos

ORTHOSIPHON STAMINEUS—9 cs, S B Penick & Co, Javanese Prince, Batavia

OURICURY WAX—56 bgs, Wessel Duval & Co, Mormacrio, Bahia
34 bgs, Davies Irwin Co, Kirsten, Bahia
56 bgs, W M Allison & Co, Mormacisle, Bahia
125 bgs, Innis Speiden & Co, Mormacisle, Bahia

PALM OIL—1,432 tons, Balfour, Guthrie Co, Tai Yin, Matadi

PAPAIN—172 cs, American Ferment Co, Marine Flyer, Colombo
20 cs, J L Hopkins & Co, Marine Flyer, Colombo

PATCHOULI OIL—4 cs, Norda Essential Oil & Chemical Co, Marine Flyer, Singapore
4 cs, Van Ameringen-Haebler Co, Marine Flyer, Singapore
2 cs, East Asiatic Co, Javanese Prince, Penang

PEPPER, BLACK—200 bgs, J Berlage Co, Flying Trader, Bangkok
63 bgs, M Golodetz Co, Flying Trader, Bangkok
240 bgs, C Czarnikow, Marine Flyer, Cochin
66 bgs, Arthur G Dunn Co, Marine Flyer, Bombay

PETITGRAIN OIL—106 dms, LoCurto & Funk Co, Sygna, Buenos Aires
25 dms, Geo Lueders & Co, Sygna, Buenos Aires
25 dms, Dodge & Olcott, Inc, Sygna, Buenos Aires

PLATINUM, CRUDE—5 cs, Colamer Co, Santa Luisa, Buenaventura

PYROTECHNICS—170 cs, Allied Metal Products & Supply Corp, Javanese Prince, Hongkong

POPPYSEED—200 bgs, Marine Midland Trust Co, Sonnavind, Istanbul
333 bgs, Tradesman National Bank & Trust Co, Sonnavind, Istanbul
100 bgs, Catz American Co, Westerdam, Rotdam
133 bgs, Corn Exchange Bank & Trust Co, Elin Horn, Istanbul
300 bgs, Chase National Bank, Elin Horn, Istanbul
100 bgs, Catz American Co, Westerdam, oRtterdam

QUEBRACHO EXTRACT—800 bgs, International Products Corp, Mormacisle, Buenos Aires

QUICKSILVER—1,000 flasks, J W Hampton, Jr, Co, Exchorda, Leghorn
800 flasks, Metal Salts Corp, Exchorda, Leghorn

ROCK CRYSTALS—75 cs, Simab Corp, Sygna, Rio de Janeiro

SANDALWOOD—100 bgs, George Lueders & Co, Marine Flyer, Bombay

SASSAFRAS OIL—23 dms, National City Bank, Kirsten, Itajai
18 dms, First Nat Bank, Kirsten, Itajai

SCHEELITE ORE—454 bgs, Metal Traders, Inc, Mormacisle, Maceio

SHARKLIVER OIL—95 dms, Ocean Leather Co, Helicon, Pampatar
25 dms, Wilbur Ellis Co, Tekla, Buenos Aires
24 dms, Collett Week & Nibecker, Santa Luisa, Valparaiso

SHELLAC—3,003 bgs, Reuben Import & Export Corp, Flying Trader, Bangkok

STEPHANIA CEPHARANTHA—1 cs, S B Penick & Co, Grete Maersk, Keelung

STYRAX GUM—12 cs, Geo Lueders & Co, Exford, Izmir

TALC—1,010 bgs, C Mathieu, Exford, Genoa

TAR ACID—6 dms, Coaltar Chemicals Corp, Marengo, Hull

TEA WASTE—700 bgs, Maywood Chemical Works, Marine Flyer, Colombo
233 bgs, Citro Chemical Co, Marine Flyer, Bombay

THEOBROMINE—20 bbls, Metallo Chemical Corp, Mormacrio, Santos

TONKA BEANS—145 cks, Machado & Co, Helicon, Port of Spain

TRACACANTH GUM—49 cs, American Leader, London

TUNG OIL—278 tons, Universal Trading Corp, Pioneer Sea, Shanghai
300 tons, Pacific Veg Oil Corp, Pioneer Sea, Shanghai
110 tons, W G Smith Co, Pioneer Sea, Shanghai
300 tons, Bunge Corp, Grete Maersk, Shanghai
111 tons, Universal Trading Corp, Grete Maersk, Shanghai
730 tons, Pacific Vegetable Oil Co, Grete Maersk, Shanghai

TUNGSTEN OIL—163 bgs, Wah Chang Trading Corp, Mormacrio, Santos

UREA—648 bgs, American Union Transport Corp, Cape Mohican, Antwerp

VETIVER OIL—1 dm, Lo Curto & Funk Co, Coastal Messenger, Port au Prince

WATTLE EXTRACT—1,651 bgs, Littlejohn & Co, Constantia, Durban
4,937 bgs, River Plate Import & Export Corp, Constantia, Durban

WHALELIVER OIL—12 dms, Consumers Import Corp, Grete Maersk, Yokohama

WHITING—2,000 bgs, N H Weitzner Co, American Judge, Antwerp

WITHERITE—150 tons, E I du Pont de Nemours & Co, Morengo, Hull

WOLFRAM OIL—736 bgs, Phillip Bros, Santa Luisa, Arica
197 bgs, Flying Trader, Bangkok

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WOLFRAM ORE—30,000 bgs, U S Treasury Dept, Pioneer Sea, Shanghai
ZINC OXIDE—2,000 cs, Grace National Bank, Flying Trader, Yokohama

Norfolk

MANGANESE ORE—5,000 tons, E J Lavino & Co, African Pilot, Takoradi

Philadelphia

December 15 to December 17

ALUMINUM SCRAP—163,667 kilos, Chase National Bank, American Leader, London
ASBESTOS FIBER—2,000 bgs, Keasby & Mattison Co, African Sun, Beira
5,600 bgs, Chas Kurz Co, African Sun, Beira
CHINA CLAY—2,450 tons, English China Clay Sales Corp, San Guisto, Fowey
3,360 tons, Paper Makers Importing Co, San Guisto, Fowey
2,633 tons, Moore & Munger, Inc, San Guisto, Fowey
548 tons, John Higman Co, San Guisto, Fowey
GYPSUM—5,855 tons, U S Gypsum Co, Gypsum King, Hantsport
INCENSE—4 bls, 7 cs, B H Sobelman & Co, Inc, Robert Maersk, Rotterdam
LEAD—32,638 kilos, American Importer, London
43,502 kilos, Bers & Co, Robert Maersk, Rotterdam
1,047 tons, E Tennant Co, Exminster, Rangoon
MOLASSES—1,257,989 gals, Publicker Industries, Inc, Albert G Brown, Paslelilli
624,949 gls, Publicker Industries, Inc, Manaati, Albert G Brown
MUSTARD—150 dms, 500 cs, A B Cooper, American Leader, London
933 pkgs, Atlantic Sales Corp, American Importer, London
PETROLEUM, CRUDE—106,362 bbls, Atlantic Ref Co, Atlantic Transporter, Capipito
114,083 bbls, Atlantic Ref Co, Boonesborough, Ras Tanura
POPPYSEED—100 bgs, Cape Mohican, Rotterdam
SPINDLE OIL—17 cs, Philadelphia National Bank, American Importer, London
TANNIC BARK—625 bdls, American Dyewood Co, Gdynia, Porto Alegre
UREA—649 bgs, American Union Transport Co, Cape Mohican, Antwerp
ZIRCONIUM ORE—304,640 kilos, Frank Samuel Sons, Inc, Mormacreed, Santos

San Francisco

December 14 to December 17

BABASSU KERNELS—8,333 bgs, Bank of California, P & T Navigator, Marahuao
CALCIUM NITRATE—33,100 bgs, Wilson & Co, Tosca, Porsgrunn
CANARYSEED—750 bgs, Aristotelis, Casablanca
CARAWAYSEED—100 bgs, Paraguay, Antwerp
CARNAUBA WAX—32 bgs, Dychem Trading Co, Mormacland, Santos
CASSIA—200 bls, Bank of California, President Tyler, Hongkong
COPRA—7,111 bgs, Atkins Kroll Co, Sonoma, Suva
LARD—441 cs, American Friends Service Committee, Mormacland, Buenos Aires
LEAD—320 bgs, American Smelting & Ref Co, Gunners Knot, Puntarenas
75 dms, Bank of New South Wales, Sonoma, Townsville
1,604 bgs, Bank of New South Wales, Sonoma, Townsville
8,041 bgs, Bank of New South Wales, Sonoma, Townsville
5,600 bgs, American Smelting & Ref Co, Santa Flavia, Antofagasta
861 tons, Bank of Manhattan Co, Santa Flavia, Antofagasta
1,625 bgs, Bank of Manhattan Co, Santa Flavia, Antofagasta
MARJORAM—40 bgs, Bank of California, Santa Flavia, Arica
MINERAL—467 bgs, American Smelting & Ref Co, Paraguay, San Jose de Guate
NUTMEGS—67 bgs, Catz American Co, Manoeran, Macassar
OLIVE OIL—546 dms, Aristotelis, Genoa
PEPPER, BLACK—280 bgs, D Hecht Co, President Tyler, Singapore
PYROTECHNICS—77 cs, Bond Bros & Co, President Tyler, Hongkong
SHARK LIVERS—4 dms, E F Gregoire, Santa Flavia, Puna
20 dms, F E Booth & Co, Gunners Knot, Puntarenas
SHOE POLISH—840 ctns, Julius Rothschild & Co, Sonoma, Suva
SODIUM NITRATE—802 tons, Guaranty Trust Co, Santa Flavia, Tocopilla
18,984 bgs, Guaranty Trust Co, Santa Flavia, Tocopilla
TANKAGE—100 bgs, Wessel, Duval & Co, Mormacland, Montevideo
284 bbls, Wilbur Ellis & Co, Tosca, Oslo

Barbiturates Suit Dismissal Requested

The New York City Department of Health has asked the Supreme Court of the State to dismiss a suit challenging the constitutionality of city regulations of the sale of barbiturates. The suit was filed by a druggist who charged that the department's regulations are in conflict with state laws which permit the refilling of prescriptions any time within six months and the filling of telephoned barbiturates prescriptions with the understanding that a physician would furnish a written prescription within seventy-two hours.

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Bromine content, wt. %	65.98	69.87
Chlorine content, wt. %	13.19	10.77

Degree of impurity and/or deterioration can be estimated from above analyses compared with theoretical bromine and chlorine contents of 64.7% and 12.7%, respectively. The material is unstable, precipitates a crystalline solid when exposed to sunlight; is hazardous to handle, even slight exposure results in irritation of eyes and hands.
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Norwegian Commerce Chamber Opens Offices

The Norwegian American Chamber of Commerce, New York, has announced the opening of new district offices in San Francisco, New Orleans and Chicago, jointly with the Norwegian Export Council, Oslo, semi-official organization of all Norwegian exporters. The move, long planned, is in line with the chamber's aims to foster increased trade between Norway and the United States, and with a view to facilitating its trade information services to American exporters and importers engaged in or planning to engage in trade with Norway.

The San Francisco office, with headquarters at the Royal Norwegian Consulate General, is headed by Bjarne Borde, former managing director of the Norwegian Export Council. Carl Garmann is in charge of the New Orleans office, located at the Royal Norwegian Consulate General, and Kristoffer J. Oddsen, jr., of the Chicago office, at the Royal Norwegian Consulate General. For the past two years the two organizations have been jointly represented on the east coast by Arne Fonkalsrud, with headquarters at the chamber's New York offices.

Illinois Technology Institute Offers Scholarships, Fellowships

Applications for fellowships, scholarships, and assistantships for graduate study, research, and teaching at Illinois Institute of Technology will be accepted until March 15, 1949, it was announced December 15 by Dr. W. A. Lewis, dean of the graduate school.

Fellowships are available in power systems engineering, gas technology, and industrial research. Scholarships covering tuition are available for exceptional students. Teaching assistantships are open in all departments. Half-time assistants may take a half-time graduate program and third-time assistants a three-quarter-time study program, with the remainder in each case devoted to teaching. Stipend for half-time assistants is $1,314, from which $275 tuition is payable. For third-time assistants the stipend is $876, from which $412.50 tuition is payable.

Atomic Energy Course Offered at N.Y. Univ.

"Atomic Energy: Its Nature, Use and Control" will be among courses offered by New York University's adult school, the division of general education during the coming spring term. The course will be conducted by Dr. Charles Slesser, chief, technical information and declassification branch, New York office of the Atomic Energy Commission. It will meet for fifteen weeks beginning Tuesday evening, February 8.

The course, given on a non-credit basis, is intended for adult students. It will discuss the physics of atomic energy, applications to medicine and industry, problems of international control, and social implications. Full information may be secured from Prof. Sidney G. Roth, in charge of technical studies, division of general education, New York University.

Schering Expands Medical Staff

The Schering Corporation, pharmaceutical manufacturer, Bloomfield, N. J., has appointed Drs. George Babcock jr. and Abbott W. Allen to its medical staff. Dr. Babcock has been assigned to the medical service department and Dr. Allen has been assigned to the division of clinical research.

Patents Course Set at NYU

A course in management and exploitation of inventions and patents will be given during the coming spring term at New York University's adult school, the division of general education. Dr. Frank Makara, engineer and patent attorney, will conduct the course, which will meet for fifteen weeks beginning February 3.

The course will deal with the production of secret products and processes, the business view of patents, employer-employee rights and relationship to patents, the Patent Office, prosecution of a patent, prior art searches and patent descriptions, interferences, appeals, trade marks and foreign patents.

Full information about the course may be secured from Prof. Sidney G. Roth, in charge of technical studies, division of general education, New York University.

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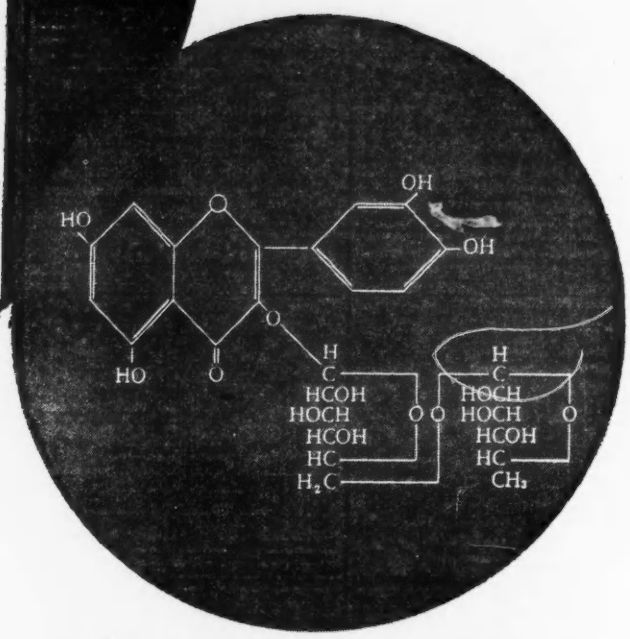

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Botanical Drugs, Spices, Gums

Though changes in botanical drug prices were not numerous last week, they were sufficient to reduce the market index by 0.9 point to set it at 198.9 in comparison with 254.8 prevailing a year ago. Roman chamomile, tolu balsam, ergot, and ginger roots moved in favor of buyers. No advances in drugs were noted. In favoring items, the market price trend was predominently downward but with the exceptions of Syrian cumin, China cassia buds, West Indian nutmegs, and spot black pepper, the changes were those of minor degree.

Some fairly substantial business was done in domestic-cultivated belladonna leaves and more was said to be pending. The business was done at the market. An attractive jag of dandelion root went into consumption at private terms. Furthermore, a nibble appeared in the mandrake root market where affairs had been quite dull for some weeks past. This sampling of sellers intentions did not arise in consuming quarters. In the ergot market, less attention, apparently, was being paid to superpotency material than had been the case; what did matter was that the goods be at least USP and such goods were available at lower prices.

Botanical drugs approached the end of the year in fairly stable price position, on the surface at least. All reports gathered in the past several weeks suggested that stocks at the end of 1948 would be smaller than a year ago. Much of the supply was bought on a rising market during the Summer months but even at the advances, the costs probably averaged lower than the crop of 1947. During the year, the entire price structure moved toward lower levels, but as the year draws to a close, some resistance to further declines seemed to be under development. Demand will play an especially important part in the movement of prices over the balance of the consuming year.

Balsams

Copaiba—Quotations were raised to 65c. to 69c. per pound to keep the local market more closely in alignment with quotations established at the primary market.

Tolu—Some indications of a more competitive market were to be found locally. Reports occasionally suggested sales at under $3 per pound, though most sellers were loath to establish an openly lower level last week. However, as low as $2.95 was admitted.

Barks

Cinchona—Total output of estate bark in Java during 1948 was estimated at 8,000 metric tons. From January through August, is totaled 4,574 tons and in August, 569 tons was added according to a preliminary survey reported by the U. S. consul general at Batavia.

A recent information from The Hague reported a program of regulation and restriction to be put into effect in Java. World consumption of bark was estimated as being down to about 800 tons a year. Reduced world consumption has led to the belief that an annual production of 400 tons will be sufficient. Some phases of the restriction scheme are already in effect in that some plantations have been turned over to tea production. It was said that at present, about 32 plantations are producing about 250 tons a year. The Dutch authorities say that the two factories not in Indonesia are sufficient to make the total of world requirements.

Sassafras — Generally reported at exceptionally steady prices likely to prevail at least until major demand comes after the turn of the year makes coverage of Spring needs imperative.

Beans

Vanilla—Most dealers here feel that the destruction of such large quantities of beans in the French Islands will be productive of higher prices during 1949. This view was based on information stating that between 500 and 600 tons have been destroyed already. What remains available for export was felt to amount to less than 500 tons at the origin, an amount barely sufficient to care for United States requirements during the next two years. Backing up this opinion was the belief that, according to some information received, the 1948-1949 crop is considered an out and out failure caused by the low market prices prevailing during the last six months.

Berries

Cubeb—Breakdown of the relations between the Indonesian Republic and the Dutch government for the time being at least makes shipment of this article doubtful and uncertain at the origin. The present spot stock was said to cover needs well into the future.

Juniper—Distillation interest purchased a round quantity at about 5c. per pound, the lot being distressed in character and its former holder still had merchandise of which to get. Among regular botanical dealers, the market was quoted weak at 9c. to 18c. per pound depending on seller and quality—there being a very wide range in the latter.

Flowers

Chamomile—Roman flowers eased once again and at the close of last week the market was down to the basis of $1.10 to $1.50 per pound, prevailing according to seller and quantity. Hungarian flowers were steady at 46c. to 50c.

Malva—Though not in overly abundant supply, probable needs of manufacturing consumers were felt to be fairly well protected. Pricewise, the market tendency was to end 1948 in fairly steady position in view of declines developed during that period and the present replacement cost at the origin.

Gums

Arabic—The market appeared destined to end the year in quiet but steady price position. Fair-sized stocks were in hand and nothing suggested the probability of a pinch on supply developing during the first quarter of the new year. Demand, however, stood an excellent chance of undergoing some expansion as activity broadens in the consuming industries. Competition was likely to change very little.

Karaya—Stability continued to feature the market on this item and although immediate request was not too active, the market did hold considerable interest for

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Copaiba balsam, 3c. per lb.

Other Articles

Oregano, Mexican, ½c. per lb.
Pepper, black, distant futures, 1c. per lb.
white, 1c. per lb.

Prices Reduced

Drugs

Chamomile flowers, Roman, 5c. per lb.
Ergot, 12c. per lb.
Ginger root, African, ¼c. per lb.
Jamaica, No. 2, ½c. per lb.
No. 3, ½c. per lb.
Tolu balsam, 15c. per lb.

Other Articles

Anise, Syrian, ¼c. per lb.
Cassia buds, China, 2c. per lb.
Celery seed, India, spot, 1c. per lb.
futures, 1c. per lb.
Cinnamon, Ceylon, 1c. per lb.
Cumin seed, Persian, ¼c. per lb.
Syrian, 4¾c. per lb.
Grains of paradise, 6c. per lb.
Mace, West Indian, 10c. per lb.
Nutmegs, West Indian, 2½c. per lb.
Pepper, black, spot, 2c. per lb.
futures, nearby, 3c. per lb.
Thyme, French, ½c. per lb.
Turmeric root, Madras, ½c. per lb.

Comparative Price Indexes

(100 = August 1, 1914)

Last week	Prev. week	Last month	Last year
198.9	199.8	199.8	254.8

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ending December 17

New York

Capsicums, 210 bags: live and dead insects.
Cassia, 988 packages: insect infested.
Celery seed, 180 bags: filthy.
Chilies, 594 bags: filthy.
Fenugreek seed, 277 bags: filthy.
Ginger, 400 bags: filthy.
Nutmegs, 342 bags: insect infested; moldy; wormy.
Paprika, 83 packages: filthy.
Pepper, black, ground, 779 bags: live and dead insects; filthy; moldy and insect bored.
white, 300 bags: live and dead insects.
Psyllium seed husks, 547 bags: live and dead insects.
Sesame seed, 11 bags: live and dead insects.
Stramonium leaves, 17 bales: filthy.
Turmeric, 123 bags: insect bored; stones substituted.

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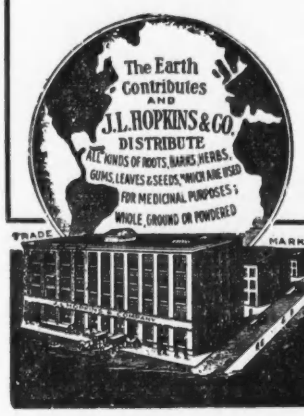
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Herbs and Leaves

Belladonna—A substantial quantity of domestic-grown leaves were sold into manufacturing consumption last week at $1.25 per pound and further business was said to be in the making under a bid. This was business done exactly at the market for such merchandise. Foreign leaves were still available locally at a minimum of $1.15 per pound.

Digitalis — Although the market was slow last week, it was also reasonably steady in price. Quotations were in line with replacement costs so far as imported leaves were concerned and the limited supply of domestic-cultivated material rested firmly in strong hands.

Oregano—Except for a fractional rise in prices on Mexican herb, reaching 16c. to 16½c. per pound, the market remained dull as to demand and inert in the matter of price movements.

Thyme—More than the usual amount of competition was noted in the market for French material and it dropped to 17½c. to 18c. per pound.

Miscellaneous

Ergot—Prominent suppliers of this article offered substantial quantities of USP material on the basis of $1.18 per pound. Smaller lots were priced upwards of $1.25 per pound and the whole situation seemed realigned with the replacement position of the material and the current takings of buyers.

Grains of Paradise—The market finally dropped to the basis of 27c. to 28c. per pound for spot goods under the influence of a renewed spot stock of an article that had been relatively scarce.

Roots

Dandelion—A substantial quantity of this article went into consumption, this being the business that had been pending in the previous week. The trading was done at private terms.

Goldenseal—Most prominent suppliers of the article when remote from the spot had views around $4 per pound. A local broker believed that he might work firm orders at about $3.70. On the spot, the market was $4.25 to $4.95 among regular botanical merchants.

Mandrake—Some renewal of interest was shown in this article but it was busi-

—*Continued on page 74*

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Essential Oils, Other Aromatics

Although not immediately productive of new prices on this market, the crisis in Java did result in quotations on Java citronella, cajeput, cananga, patchouli, and palmarosa oils becoming generally firmer on the spot. Furthermore, local dealers were inclined to be more reserved in their offerings of those materials; interference with exports to this country seemed likely to be at least one end result of the Dutch government choosing arms as arbitrament in the long standing disputes between the Indonesian Republic and the home government in Holland. Anise, cassia and Ho oils continued to strengthen when the military situation of the National government of China deteriorated further. Price movements on spot were confined to declines in cedarwood, coriander, and Italian mandarin oils but the index remained unchanged at 102.2 comparing with 150.8 a year ago.

Citrous oils were still slightly unsettled but quotations lacked change by the end of last week. Some expected a broader demand to arrive with the new year. Spice oils had a reasonable amount of strength locally, and with the possible exception of nutmeg oil, were expected to hold steady during the immediate future because of the definite lack of weakness in raw materials. Clove oil was cited especially as an article in which a general advance would not surprise in view of what has already happened to spice.

French oils were subject to some unsettlement. Representatives of French houses supplying all varieties of oils sold under French influence have mentioned for some time past the possibility of the French franc being devalued further. The uncertainty regarding future costs have tended to make some suppliers more reserved and the fact that demand has been light has been offset.

Reports concerning exports of oils from Madagascar in January-September, 1948, mentioned 356 tons of clove oil valued at 56,440,000 CFA francs; 11.6 metric tons of ylang ylang oil valued at 15,837,000 CFA francs. In the same period the Comoro Islands exported 9 metric tons of ylang ylang valued at 11,074,000 CFA francs.

Almond—The activity in this article was down to lots strictly jobbing in size and bought only to eke out existing supplies until more liberal purchasing might be started after the turn of the year. Prices here and in the primary market were steady.

Angelica—Some quarters have exhausted stocks completely and, so far as was known last week, replacement was being delayed in hope that ultimately more favorable quotations may develop in the primary market. When available, the article was held at very steady spot prices regardless of little demand.

Anise—The price situation varied little. In most quarters, the market was considered to range between 85c. and 95c. per pound and perhaps a majority of sellers were minimum around 90c. In a single quarter the former figure of 78c. was still quoted but confirmation of sales thereat were lacking because of no demand. The war in China continued to go against the Nationalist government and the main threat to the market for this oil rested in the interruption of shipments from interior points to the principal sales and shipment ports. This tended to keep holders of spot stocks definitely conservative in their offerings pending further unfolding of events at the origin.

Bergamot—Little trading has been taking place during the last fortnight of the year. Most consumers have sufficient stock to care for requirements to the end of 1948 and where any interest at all was shown last week, it was restricted to goods bought for delivery and invoicing after January 1. Replacement prices were firm.

Cajeput—Events in the Far East were not productive of confidence in the immediate future of shipments of this oil from the origin to the spot. Hence, local sellers were disposed to exercise some reserve in offerings until such time as the situation at the source has been rendered clearer. Prices were firm.

Cananga—This was another oil the future shipments of which from the origin were involved with the unsettled political relations that came to a crisis last week. While little or no demand was current on spot last week, sellers maintained prices firmly while awaiting further developments at the origin.

Market Trends

Prices Advanced

None

Prices Reduced

Cedarwood oil, cans, 5c. per lb.
drugs, 4c. per lb.
Coriander oil, $3 per lb.
Eucalyptus oil, 2c. per lb.
Mandarin oil, Italian, 55c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
102.2	102.2	100.5	150.8

(For Current Prices see Page 9)

Cardamom—No easing of the strong undertones recently sweeping this market to higher price levels. On the contrary, the market gained in strength especially in view of the fact that some former suppliers in quantity reported no stocks in hand during the past week. While the market was strong at $32 to $36 per pound according to seller, most dealers stood around $34 to $35.

Cassia—Primary market conditions appeared to foreshadow a possible interruption of shipments from the interior to the shipment ports and for that reason a firmer undertone has developed locally regardless of the low level to which demand had decreased, mainly because of seasonal conditions here. Some expect that the oil will sell at higher prices during the first quarter of the new year unless conditions change for the better in China.

Cedarwood—Prices were reduced last week, oil in drums being revalued at 40c. per pound, with 45c. being asked for material in cans. These were minimum quotations and the range was to 95c. and 85c. per pound respectively. The development was one mainly originating in the growth of local competition.

Celery—The price range widened when one quarter made its minimum quotation $16.50 per pound. Elsewhere, the item could be picked up around $14 per pound without too much difficulty. Replacement costs in Europe have been generally steady for some time past. Demand was strictly jobbing in size.

Citronella—Most dealers called Ceylon oil a market around 85c. to 90c. per pound, but one quarter still offered a quality of oil for as little as 65c. per pound in drums. There was little doubting the steadiness of Java or Java type oils, the quality of which ran high and averaged excellent. Immediate delivery demand was very small but a fair interest in January deliveries developed from time to time among soapers and the like.

Clove—Prices on both spice and oil originating in the foreign markets were firm and well maintained. Also, no weakness was noted in the prices quoted for oil manufactured in this country. On the whole, new crop Madagascar spice has been well maintained at the rather substantial rise which went from a low of about 9c. per pound to the present asking price of 15c. for shipment.

Coriander—The supply situation in one direction has improved sufficiently and at costs sufficiently favorable to make possible a reduction of the spot quotation to a minimum of $30 per pound. Upwards of $40 was asked according to dealer, quantity, and quality.

Cubeb—Far East political developments have been such of late to make it not unlikely that raw material offerings may become smaller in quantity and higher in price. Such a development would probably be a stimulant to oil quotations which, for the moment, remain quiet pending further developments with respect to replacement costs.

Dill—Stocks were probably smaller than many thought. Certain it was that all holders had strong ideas as to value of immediate deliveries as well as to the probably developments in prices between now and the marketing, or at least contracting, of the new crop in 1949. The tendency was definitely upward.

Eucalyptus—Some fair bookings for delivery early in the new year were reported during the past week but the slightly improved activity was without restorative effect on the prices that for many weeks had been beset by a more or less aggressive competition in local circles. In fact, the minimum price on 80-85 percent was lower at 80c. per pound.

Fir—Most sellers have ended price declines and a steadier undertone appeared to reflect the fact that replacement costs

For Late Market Developments, See Page 4

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have not become more favorable in the past fortnight or so. Immediate demand was strictly jobbing in size at steady prices.

Geranium—Some feel that the possible and further devaluation of the French franc may have an effect on the replacement cost of this material but experience has shown that the shippers tend to maintain a certain average of profit by arranging shipment quotations to a basis in line with the exchange value of the franc. Locally, the market was inert last week.

Grapefruit—The market was well supplied with good quality oil and considerable quantities have been committed for delivery after the turn of the year at prices which dealers said last week had become substantially steady during the past fortnight. Competition was a negligible factor at all times during the past week.

Guaiacwood — Moderate additions to spot stocks have taken place at a cost hardly suggestive of any movement of prices in favor of buyers for consumption. Undertones were firm on spot and at the origin.

Lavender — The market appeared definitely turned toward a firmer position. While those recently quoting the minimum market at $3.25 per pound for 38-42 percent esters continued so to do, other suppliers advanced the market 25c. per pound to make that article $4.35 per pound. No changes came on the lower quality oils. Better quality oils have been stronger in replacement position and it was not expected that, should the French franc be devalued further, the cost of oil would change much.

Lemon — Inquiries received during the past week usually involved quantities to be shipped after the turn of the year. However, buyers found the market to be substantially steady to firm and Italian oil found it not easy to compete in price with that on the domestic product.

Lemongrass—All replacement markets were firm and in local circles sellers were little disposed to take orders offered at less than $1.60 to $1.75 per pound—which was said to be a price definitely in line with the prevailing shipment prices.

Mandarin—One local dealer took a sharply competitive view on the market last week, offering substantial quantities at the much lower quotation of $3.75 per pound. Upwards of $9.30 was being asked in other directions. These prices prevailed on oil from Italy. The Haitian oil ranged $4.25 to $8.40.

Mustard—Complete stabilization continued to govern the price position of artificial oil and with fair quantities already engaged for shipment early in the new year, the market was expected to hold steady to firm through the first quarter at least.

Niaouli—Although the market was still said to hold a deal of competition between suppliers, the unsettled situation last week did not extend to the further reduction of spot quotations. Under very small demand, prices were maintained at $2.85 to $3.25 per pound, quoted on a better than fair sized spot supply.

Nutmeg—The undertone of the market was slightly easier because of the recent accession of competition and lower prices at the primary markets. However, present prices were expected to be retained until oil is actually produced from lower cost raw material. Demand was routine throughout the past week.

Orange—The market was reasonably steady. Sellers maintained prices pending further developments in the fields of replacement cost and consuming requirements. A considerable amount of local competition continued to keep prices favorable for buyers.

Patchouli—Far Eastern conditions were such that shipment of replacement parcels may be interfered with considerably. The local stock was said to be generally moderate in size and for that reason holders of spot goods were more reserved in offering.

Peppermint—The decline in prices has run somewhat farther than some dealers had expected earlier in the season. It was suggested last week that the absence of a normal export movement in the article was having its effect on current values and at the close of last week, conditions still favored buyers.

Petitgrain—A surprising gain in spot delivery sales was said to have reached a few dealers last week and the market gained in steadiness on the completion of the business. Other dealers also were not inclined further to shade the market at this time.

Rosemary—Though the market was still competitive, the situation was not productive of a further drop in prices during the past week. USP goods were maintained unchanged and were said to be available in quantities sufficient to care for any reasonable expansion in trade, come the turn of the year.

Snakeroot—Stocks were poorly distributed locally and that fact was alone sufficient to confine competition within limits hardly influential on prices consumers had to pay last week. However, not much business was done and the outlook for business early in the new year was not overly encouraging.

Spearmint—Conditions were still favorable for consumer operations but in the absence of many firm orders last week, sellers failed to make any change in their quotations, being disposed to await until the new year fully develops the trend of consumer requirements.

Aromatic Chemicals

Anethol—The strength in raw material was unabated and higher quotations were expected to develop on anethol if demand be well maintained during the first quarter of the new year.

Benzylidin Acetone—Demand was light and usually on a hand-to-mouth basis during the past week. None but small, immediate requirements were purchased. Prices remained in well stabilized position and the outlook for firmness was said to be good for the first quarter of the new year.

Cetyl Alcohol—The very steady character of demand has contributed much of the current stability apparent in local quotations. Little opportunity for competitive shading of quotations existed because of the current cost of production.

Coumarin—Considerable business has been written for delivery during the first quarter of the new year, contributing strength to the at present quite steady price position and eliminating competition as a factor immediately influencing the market.

Ethyl Compounds—Acetate was very steady at the late decline. Butyrate was not in much request but was steady in price. Cinnamate was subject to fluctuating request at firm prices. Vanillin was fully firm, reflecting strength arising from demand.

Heliotropine—Although immediate demand was small, sellers had reason to expect fair business after the turn of the year. Much will demand upon the extent to which manufacturers' reserve stocks were reduced during the last quarter.

Phenylethyl Acetate — Business was about all that could be expected during the final days of the year. However, a reasonable amount of new business was booked for early 1949 delivery and at prices not suggesting an early change.

Mint Research Leaders Discuss New Production

Prof. N. K. Ellis, of the department of horticulture of Purdue University, told the recent National Mint Research Conference at the university that Indiana is endeavoring to regain its former leadership in the production of mint oils by searching for new production methods.

Prof. Ellis told the assembled mint research leaders that agricultural research in Indiana is searching for new production methods through two major projects dealing with cultural practices and production of the crop. The production of mint oil, he added, adds $5,000,000 annually to the income of Indiana farmers.

Dr. Lee Cox, of the Beech-Nut Packing Company, Canajoharie, N. Y., pointed out that Indiana now produces only about 35 percent of the American crop and had slipped into second place with Oregon in the lead. Third and fourth place states are Michigan and Washington, respectively.

Mint diseases and fertility problems were discussed by Dr. Ray Nelson and Dr. P. M. Harmer, Michigan State College, East Lansing. The speakers said that Michigan formerly led the nation in the production of mint oil but due to the inroads made by mint diseases, only approximately 8,000 acres now are in mint in that state.

Dr. J. L. St. John, head of the department of chemistry, Washington State College, Pullman, discussed production problems encountered under the arid conditions in eastern Washington. Flavor of oils produced in this area is not like that of the Indiana oils and the oils are not as acceptable to manufacturers using mint as are the oils from northern Indiana mint fields, he said.

Trade Briefs

Dr. Alexander Katz & Co., division of F. Ritter & Co., is planning the construction of a new building for the manufacture of perfume in Los Angeles.

Robert B. Magnus, vice-president of Magnus, Mabee & Reynard, Inc., has been elected assistant treasurer of the New York Board of Trade.

Mint Oils Production Increased in 1948

Year-end figures on the acreage and production of the 1948 mint crop, released December 18 by the Bureau of Agricultural Economics, showed that while the area under cultivation was less by 3,800 acres than in 1947, a large increase in yield per acre shoved the production up 104,000 pounds over 1947.

Summary figures on peppermint and spearmint combined and for the two oil crops separately are as follows:—

Mint (for Oil)

	Acres planted	
	1948	1947
Indiana	27,300	28,300
Michigan	14,200	18,000
Ohio	*	*
California	*	*
Oregon	11,600	11,000
Washington	4,800	4,400
Total	57,900	61,700
	Oil, pounds	
	1948	1947
Indiana	942,000	897,000
Michigan	420,000	423,000
Ohio	*	*
California	*	*
Oregon	522,000	550,000
Washington	264,000	209,000
Total	2,188,000	2,084,000

Peppermint

	Acres planted	
	1948	1947
Indiana	14,300	18,500
Michigan	8,000	13,500
Ohio	*	*
California	*	*
Oregon	11,600	11,000
Washington	4,800	4,400
Total	38,700	47,400
	Oil, pounds	
	1948	1947
Indiana	500,000	574,000
Michigan	200,000	270,000
Ohio	*	*
California	*	*
Oregon	522,000	550,000
Washington	264,000	209,000
Total	1,486,000	1,603,000

Spearmint

	Acres planted	
	1948	1947
Indiana	13,000	9,800
Michigan	6,200	4,550
California	*	*
Total	19,200	14,300
	Oil, pounds	
	1948	1947
Indiana	442,000	323,000
Michigan	260,000	158,000
California	*	*
Total	702,000	481,000

* Not available for publication. Less than three growers.

ACS Sections Elect

George B. Meredith, of the South Point, Ohio, plant of the Solvay Process Division, Allied Chemical & Dye Corporation, has been elected chairman of the Tri-State section of the American Chemical Society. He will assume office on January 1, 1949, succeeding Dr. Frank H. Moser, supervisor of the intermediate department of the Standard Ultramarine Company, Huntington, W. Va.

Harry E. Tschop, of the International Nickel Company, Huntington, was elected vice-chairman and Fred S. Fearing of the Barrett Division of Allied Chemical & Dye Corporation, Ashland, Ky., treasurer. Blaine C. Mays, supervisor of the dye department of the Standard Ultramarine Company, was re-elected secretary.

Dr. Virgil F. Payne, principal materials engineer and deputy chief of the components and materials branch of the Squier Signal Laboratory, Fort Monmouth, N. J., has been elected chairman of the Monmouth County section of the society. He will assume office on January 1, 1949, succeeding Hugh V. Alessandroni, manager of research of the titanium division of the National Lead Company, South Amboy.

Other officers elected were Keith Misegades, patent attorney of the Interchemical Corporation, chairman-elect; Erik Linden of the Squier Signal Laboratory materials section, secretary, and Walter R. Wooley, vice-president and chief chemist of Laird & Co., Scobey, N. J., treasurer.

M.M. & R. Issues Data On Persic Oil Use

Magnus, Mabee & Reynard, Inc., essential oils, New York, has published a bulletin designed to inform pharmaceutical manufacturers, toiletry producers and wholesale druggists of the use of persic oil USP to replace all or part of the expressed almond oil USP in "Rose Water Ointment" formula.

Use of persic oil as a replacement was officially granted in the second sheet supplement of USP XIII, according to the bulletin. Copies of the publication and a schedule of prices may be obtained from the company at 16 Desbrosses street, New York 13, N. Y.

Cosmetics, Perfume Courses Offered by Columbia Univ.

The spring session courses offered by Columbia University College of Pharmacy, New York, include "Manufacture of Cosmetics and Toilet Preparations," given by Prof. H. M. Carter and "Perfume Materials and Perfumery" given by Edward Sagarin, of Givaudan-Delawanna, Inc.

The cosmetics course deals with the theory and procedures used in production of several types of cosmetic preparations, and the perfume course deals with the utilization of natural and synthetic materials in perfumery. Each course occupies one night weekly and the registration dates are January 26 to 29, at the College of Pharmacy, 1155 West Sixty-eighth street, New York 23, N. Y.

Ann Haviland Names Welsh Sales Manager

Edward R. Welsh has been appointed sales manager of Ann Haviland Company, perfume manufacturer, New York, effective January 1. Mr. Welsh formerly was with Prince Matchabelli, Inc., as New York sales representative, and prior to that was with the Northam Warren Corporation.

Klein Resigns From Synfleur

Samuel Klein, perfumer of Synfleur Scientific Laboratories, Inc., New York, has announced his resignation from that organization. His activities with the laboratories were devoted to research in special perfumery problems.

Trade Briefs

William D. Collier has been appointed general sales manager of Parfume Weil Paris, Inc.

Mrs. Winifred Sargent has completed twenty-five years service as head of the switchboard for George Lueders & Co., essential oils, New York.

Topps Chewing Gum, Inc., New York, has appointed Leonard Harrison director of advertising and sales promotion. Formerly, he was with Sales Affiliates, Inc.

American Fair Trade Council has published "A Practical Guide to Fair Trade Laws," which is available from the council at 11 East Forty-fourth street, New York.

Winthrop-Stearns Names Patton to Buffalo Post

Winthrop-Stearns, Inc., pharmaceutical manufacturer, New York, has appointed L. R. Patton jr. sales representative in the Buffalo area for its special markets and industrial division. Mr. Patton will serve the milling, baking, food, poultry, feed and other industries using the divisions special products and bulk vitamins, and will handle sales of vanillin and veratraldehyde for the firm's General Drug division.

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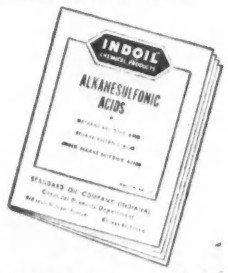

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Protective Coatings Materials

Previously-announced advances on zinc oxide and asbestos received trade-wise endorsement last week, assuring uniformly higher schedules on January 1. Some grades of channel black were boosted slightly as of the first, but synthetic varnish resins and phenolic molding powders were down.

Zinc oxide makers performed as expected during the week, matching earlier increases of 2 cents per pound on all leaded and lead-free grades, effective January 1. Although schedules will be equally higher throughout the trade on the first, company policies governing the new quotations show some minor differences. Where one firm's prices are subject to change without notice, at least one other producer has guaranteed the new listings on all orders accepted for January shipment.

Carload prices on beaded channel black and very fine furnace will be up eight-hundredth cent per pound at the start of 1949. Other carbon black grades and quantities are unaffected. Mercuric oxides, however, remained steady during the week, despite a rise of $14 per flask in quicksilver. White leads and lead oxides remained scarce and firm.

Three manufacturers of molding powders reduced prices in amounts ranging from one-half cent to three-quarter cent in what was regarded as a move to stir up buying interest. Meanwhile, one maker of synthetic varnish resins reduced most of that line of alkyds by one cent to 5¾ cents, while at the same time advancing two grades one-quarter cent to one cent. This producer also lowered phenolics one cent to 2 cents per pound.

Despite continued strength in the Calcutta market, New York shellac was steady. However, owing to dwindling stocks, dealers felt that early advances were not unlikely. Asbestos will be $3 to $11.50 per ton higher throughout the trade on January 1, as a result of action last week by other producers in matching these previously-announced boosts. Casein prices held in New York, but there was no buying. However, there was some confusion reported in the Argentine market because of the impending 8 percent export tax on casein, due on the first of 1949.

Market Trends

Prices Advanced

Rosin, gum, Savannah, E, D, E, F, 2c. per 100 lbs.

Prices Reduced

Rosin, gum, Savannah, G, H, I, K, M, 7c. per 100 lbs.
Turpentine, gum, New York, 1c. per gal. Savannah, ½c. per gal.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
224.3	224.3	224.3	182.2

(For Current Prices see Page 9)

Prime Pigments

Black, Carbon—As indicated in the previous issue, some slight adjustments upward were announced by producers last week. Effective January 1, the bag price of channel black, beads, will move up to 7.4c. per pound, carload, and a similar quotation will prevail for carlot quantities of very fine furnace. The week's price moves represent a rise of 8/100c. per pound for both grades. Other types and quantities of carbon black were unaffected. Meanwhile, the supply situation of channel grades continued reasonably good. Furnace blacks were freely available, as they have been for some time.

Blue, Alkali—Both the dry material and toner were in free supply last week. Prices were maintained. Demand was fair.

Blue, Celestial—Well-stocked, this pigment material was in moderate call during the past week. Prices were unchanged.

Blue, Iron — Listings for Chinese, Milori and Prussian blues were firm at 45c. per pound last week. Inventories were ample. Consuming interest was fair to moderate.

Blue, Methyl Violet Toner—Availability continued excellent, but demand was weak. Listings were maintained.

Blue, Permanent Toner — There were good stocks of this pigment material during the past week. Consuming inquiry was light. Prices were without variance.

Blue, Ultramarine—The price structure remained steady. Demand was unvaried. Stocks were ample.

Blue, Victoria Toner—In excellent supply, this material received moderate call last week. Prices held firm.

Blue, Violet Toner — Inventories were plentiful, as they have been for some time. Buying interest was weak. Listings were unchanged.

Chrome Colors—The Bureau of Census reported October production of CP chrome green at 1,041,000 pounds, compared with 1,152,000 pounds in September and 1,195,000 pounds in October, 1947. Output of CP chrome yellow and orange aggregated 4,080,000 pounds in October, opposed to 3,742,000 pounds during the preceding month and 4,790,000 pounds in the corresponding month of last year.

Meanwhile, as per previous announcements, January 1 will see higher schedules on all chrome pigments. Yellow and orange are due for a 2½c. rise, while CP green is scheduled to go up 2c. per pound. Reduced grades of chrome green are set for a 1c. boost. Last week, stocks of all of these materials were excellent. Buying interest was sluggish, due largely to seasonal influence.

Lead Pigments—Prices were steady on the entire range of these materials. A spot-check with producers last week revealed that no January 1 changes are contemplated, despite inflated metal costs. The supply situation remained critically short, due primarily to the scarcity of pig lead. Sellers were not optimistic about any easement in supplies during the forthcoming year. The current drought is generally expected to endure for at least a year or more. Meanwhile, demand continued active.

Mercuric Oxides—Despite an increase of $14 per flask in quicksilver quotations last week, prices of these pigment materials were maintained. Producers indicated that they would not immediately follow along behind the boost in the raw material because of the inactivity of consuming trades. However, one seller intimated that oxide prices would probably go up after January 1 if it appeared then that the higher quicksilver levels would endure.

Molybdate Orange — The Bureau of Census reported October production at 526,000 pounds, which compares with 397,000 pounds in September and 433,000 pounds in October, 1947. Meanwhile, as per previous announcements, prices will be up 2c. per pound on January 1. Supplies are good. Demand was reported fair.

Red, Lithol Toner—Despite continued improvement in the supply situation, output was still somewhat behind demand. However, it was generally expected that this condition would right itself by the early part of the first quarter. Prices held.

Red, Para Toner—Although stocks were better than they have been in some time, there was still some area for improvement. Demand was not completely satisfied last week, but balanced conditions were expected to develop some time during the first quarter. Prices were maintained throughout the trade.

Red, Toluidin Toner—Inventories were better, but still below requirements. However, it was anticipated that balance would develop by the middle of the first quarter of 1949. Listings were unchanged.

Red, Vermilion — As previously indicated, this pigment material will rise 2½c. per pound on January 1.

Yellow, Zinc — October output totaled 461 short tons, compared with 319 tons in September and 252 tons in October, 1947. Meanwhile, effective January 1, schedules throughout the trade will rise 1½c. per pound, as per previous announcements. Supplies last week continued good. Demand was fair.

Zinc Pigments—Following the move of one producer who during the previous week announced such an increase, other sellers last week decided to go along on 2c. boosts for all leaded and lead-free zinc oxides, effective January 1. As earlier indicated, the action was attributed to higher costs of metallic lead and zinc. Although prices will be uniform throughout the trade on the first, the company policies governing the new schedules will show some minor differences. One firm indicated that its new quotations are subject to change without notice. However, at least one other maker stated that the new listings were guaranteed for all orders accepted for January shipment. This is tantamount to a thirty-day guarantee, though a company spokesman stated that conditions were still too

For Late Market Developments, See Page 4

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uncertain to make any price commitments beyond January.

Fillers and Extenders

Calcium Carbonate — Arrivals during the past week totaled 2,000 bags of whiting from Antwerp. The market was otherwise unchanged, with excellent supplies, fair demand and firm prices.

China Clay — Importations last week were reported at 8,991 tons of China clay from Fowey.

Magnesium Silicate — Domestic stocks were still under heavy pressure from consuming trades. The supply situation was somewhat better, owing to a new source of production, but output was still viewed to be short or requirements. Imports aggregated 1,010 bags of talc from Genoa last week.

Mica—Arrivals during the week totaled 198 cases of mica from Rio de Janeiro and London.

Synthetic Resins

In an effort to broaden the market, three manufacturers of phenolic molding powders last week reduced prices in amounts ranging from ½c. to ¾c. per pound. Trade observers viewed the move as an attempt to revive declining demand from plastic makers.

Alkyd Resins—One producer of these varnish resins reduced most of that line by 1c. to 5¾c. per pound, while, at the same time, advancing two grades ¼c. to 1c. Other sellers maintained previous listings. Demand was slow. Stocks were adequate to current requirements.

Phenolic Resins—One line was lowered 1c. to 2c. per pound. All types of these materials were reported in good supply, except butylated grades.

Natural Resins

The market was almost entirely inactive, due primarily to seasonal influences. Prices in New York were maintained. Stocks remained on a par with previous levels.

Shellac—Despite continued strength in Calcutta last week, New York quotations were steady. Owing to transportation difficulties at the source, the supply situation both in India and in this country was reported to be tightening rapidly. At least one dealer believed that further increases were likely in view of dwindling stocks. Bleached grades were quoted at 65½c. to 68c. for bonedry and 75½c. to 78c. per pound for refined. Lemon No. 1 and lemon No. 2 brought 70c. to 71c., and 68c. to 69c., respectively, while superfine and TN lacs brought 64c. to 65c., and 62c. to 63c. per pound.

Miscellaneous Materials

Asbestos — Other producers last week went along as expected with recent $3 to $11.50 per ton advances, with the result that January 1 will see uniformly higher listings for this material. Following are the new quotations, carload, f.o.b. Canadian mines:—5D and 5K, $88; 5R, $79; 6D, $59; 7D, $52.50; 7F, $49.50; 7K, $35.50; 7M, $31; 7R, $30; 7RF, $31; 7T, $28.50, and 7TF, $31 per ton. Arrivals last week totaled 7,600 bags of asbestos fiber from Beira.

Casein—Because of the impending 8 percent export tax, due January 1, there was some confusion in the Argentine market last week. Several producers refused to submit offers until after the turn of the year. In New York, meanwhile, quotations held firm at 25½c. to 27c. per pound, but they were regarded as almost entirely nominal because of lack of business. Domestic casein held firm at 30c., but demand for this material was even less active than that for the imported grade. During the week, it was reported that Sweden closed a sale for 300 tons of Argentine casein, and Holland was said to have purchased a similar amount. In ad-

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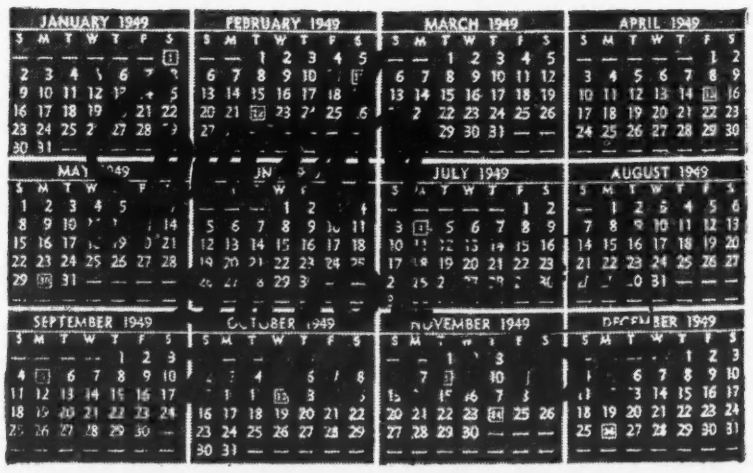

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dition. Sweden is believed to be in the market for another 300 tons for January shipment on the basis of the current price of 21¼c. to 21½c. per pound, f.o.b. Buenos Aires.

Gypsum — Importations during the period under review totaled 16,013 tons of crude gypsum from Hautsport.

Lecithin—In good supply, this material received little interest last week, owing largely to seasonal influences. Prices held at 16c. to 18½c. for the bleached and 15c. to 17½c. per pound for the unbleached.

Naval Stores

The records of the gum naval stores markets over the week ended December 24 were as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.*	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Thursday
B	$6.61	$6.61	$6.61	$6.63	...	$8.00 $8.75
D	7.17	7.17	7.17	7.19	...	8.35 9.10
E	7.41	7.41	7.41	7.43	...	8.35 9.10
F	7.47	7.47	7.47	7.49	...	8.50 9.25
G	7.65	7.65	7.65	7.65	...	8.70 9.45
H	7.65	7.65	7.65	7.65	...	8.70 9.45
I	7.65	7.65	7.65	7.65	...	8.70 9.45
K	7.65	7.65	7.65	7.65	...	8.70 9.45
M	7.65	7.65	7.65	7.65	...	8.70 9.45
N	7.72	7.72	7.72	7.72	...	8.70 9.45
WG	7.85	7.85	7.85	7.85	...	8.85 9.60
WW	8.06	8.06	8.06	8.06	...	8.95 9.70
X	8.06	8.06	8.06	8.06	...	8.95 9.70
	Drums					
Sales	150	...	...	29		
Receipts	...	340	54	47		
Shipments		110				
Stocks	22,796	23,026	23,080	23,127		

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.*	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Thursday
Per gal.	.36½	.36½	.36	.36½	..	.43½ .56
Sales, bbls.	160	160	160	160		
Receipts, bbls.	33	300	289	111		
Shipments, bbls.	2	277	7	1		
Stocks, bbls.	17,193	17,216	17,498	17,608		

Resinous Products Has Two New Resin Products

Resinous Products & Chemical Company, Philadelphia, is currently producing a new type automotive alkyd resin under the trade name "Duraplex C-55." Advantages claimed for the new product are that it gives a speed of drying, color retention and package stability not heretofore possible in resins of this type.

The company has also introduced "Duraplex DX-656," an architectural enamel vehicle said to be characterized by unusual long retention of flexibility on aging of the film. The new product offers wide versatility in the household enamel field, according to the company.

Philadelphia Paint Club Holds Christmas Party

More than 230 attended the Christmas party and ladies' night of the Philadelphia Paint, Varnish and Lacquer Association held recently in the Barclay hotel. The club paid special tribute at the dinner to S. French Reeves, who is retiring on December 31 after forty-three years service with John T. Lewis & Bros. Company.

Dutch Asbestos Assets Vested

The Office of Alien Property has vested several debts and other obligations of N. V. Nederlandsche Asbest Maatschappij (Nedam), Rotterdam, on the grounds that the Dutch concern is owned by Becker & Haag, Berlin, Germany.

SPE Sets Program

—Continued from page 7

Stubblebine, Office of the Quartermaster General; "The Plastic Materials Manufacturers Association Testing Program," by A. G. H. Dietz, Massachusetts Institute of Technology; "Styling Molded Plastics," by D. W. Biklen, Shaw Insulator Company; "Silicones as Mold-Release Agents and Lubricants," by W. A. Wiard, Dow-Corning Corporation, and three SPE prize papers.

January 21

"Surface Finishing of Molds," by R. F. Waindle, Elgin National Watch Company; "Steel for Molds and Hobs for the Plastic Industry," by Peter Payson, Crucible Steel Company; "Selection and Maintenance of Hydraulic Presses," by A. J. DeMatteo, Watson-Stillman Company; "Trouble-Shooting of Molding Problems," by F. J. Donohue, Monsanto Chemical Company; "The Future of Plastic Films," by M. R. Gerow and R. G. Kadesch, Reynolds Metals Company; "Polyethylene Permeability Data and Their Practical Use," by J. H. Parliman, Plax, Inc., and "Trends in Extrusion Equipment and Controls," by A. A. Kaufman, Industrial Synthetics Corporation.

Atlas Powder Issues Sorbitol Uses Data

Atlas Powder Company, Wilmington, Del., is offering a new twenty-eight page booklet on the use of sorbitol as a polyol in synthesis of solid and liquid vehicles for protective finishes. Specific and practical directions are given for preparation of hard gums, "in situ" varnishes, tall oil esters and alkyd resins from sorbitol and sorbitol combinations with other polyols. In addition, objective valuations are given for many formulations based on sorbitol, and comparisons of sorbitol with other polyols used in this field.

Louisville Paint Technicians Elect Tatum 1949 President

C. R. Tatum of the J. F. Kurfees Paint Company was elected 1949 president of the Louisville Paint and Varnish Production Club at the annual meeting held in the Seelbach hotel, Louisville, Ky. H. D. Donahew, the Schaefer Varnish Company, was elected vice-president, and H. L. Beakes, Kentucky Color & Chemical Company, was reelected secretary-treasurer.

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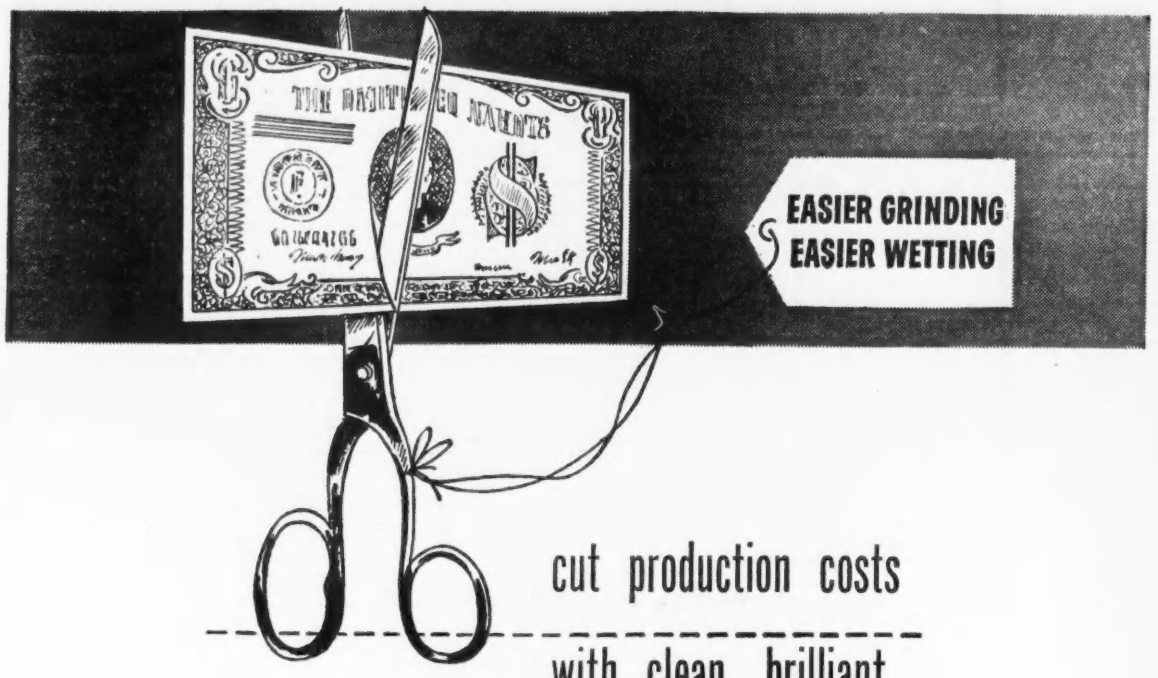

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HOUSTON—E. B. McCullough Co.
LOS ANGELES—California Flaxseed Products Co.
LOUISVILLE—B. H. Bayet & Co
MONTREAL—B. & S. H. Thompson & Co., Reg.
NEW YORK—Garrigues, Stewart & Davies, Inc

Plastics Lab Opened By U.S. Testing Co.

The United States Testing Company, Hoboken, N. J., has opened a completely equipped plastics laboratory for independent testing and research development for the plastics industry. H. M. Block, president of the company, said that plans for its plastics program include a certification program. Under this program, the company's seal would be affixed to finished articles to indicate that certain tests had been made in their production.

Holiday Mementoes Received

With grateful appreciation to its friends, OPD hereby acknowledges the receipt of holiday greetings and expressions of good will from the following:—

American British Chemical Supplies, Inc., New York.
Apothecaries Hall Company, Waterbury, Conn.
Bemis Bro. Bag Company, St. Louis, Mo.
Blank & Stoller, New York.
Burrell Technical Supply Company, Pittsburgh, Pa.
Carus Chemical Company, LaSalle, Ill.
Chemo Puro Manufacturing Corporation, Long Island City, N. Y.
Cochrane Corporation, Philadelphia.
Harry Cohen, Atlanta, Ga.
CP Chemical Solvents, Inc., Newark, N. J.
Gerard J. Danco, Inc., New York.
Denham & Co., Pittsburgh, Pa.
Fallek Products Company, New York.
Florasynth Laboratories, Inc., New York.
Fritzsche Brothers, Inc., New York.
Fred Gardner Company, New York.
Melvin Goldberg, New York.
R. W. Greeff & Co., New York.
Hasselman, Seaman, de Ryss, Inc., New York.
Iddings Paint Company, Long Island City, N. Y.
International Nickel Company, New York.
Kay Fries Chemicals, Inc., New York.
Koppers Company, Pittsburgh, Pa.
A. R. Maas Chemical Company, South Gate, Calif.
Marmon-Herrington, Indianapolis Ind.
Glenn L. Martin Company, Baltimore, Md.
T. F. McAdam, Inc., New York.
McKesson & Robbins, Inc., New York.
Fernando H. Mirabel, Havana, Cuba.
National Lead Company, New York.
Philadelphia Quartz Company, Philadelphia.
Reilly Tar & Chemical Company, New York.
Root-Mandabach Advertising Agency, Chicago.
Rumril Research, Rochester, N. Y.
Solvay Sales Division, Allied Chemical & Dye Corporation, New York.
Sosa Texcoco, Mexico City, Mexico.
Spencer Chemical Company, Kansas City, Mo.
James A. Stewart Company Carnegie, Pa.
Thompson-Koch Company, N. Y.
Ernest T. Trigg, Washington, D. C.
House of J. Hayden Twiss, New York.
Warwick & Legler, Inc., New York.
Industrial Chemical Sales Division, West Virginia Pulp & Paper Company, New York.

Bakelite 1948 Plastics Output Up 50-60 Percent

Expanded plastics manufacturing facilities have enabled Bakelite Corporation, a unit of Union Carbide & Carbon Corporation, New York, to increase average productive capacity by approximately 50 to 60 percent during 1948.

Further increases in plastics producing facilities, most of which are already well under way, will be completed during 1949 as part of the most extensive plant expansion program in the corporation's thirty-eight-year-old history.

The expansion program includes the completion of an entirely new plant at Ottawa, Ill.; additions to facilities in South Charleston, W. Va.; Texas City, Tex.; Bound Brook, N. J., and new plants in West Bath, Me., and Belleville, Ontario, Canada.

National Gypsum Conducts Meeting of Operation Heads

Managers of National Gypsum Company's plants and operations from all parts of the country met recently in the firm's Buffalo, N. Y., headquarters for a week of conferences with executives. Purpose of the meeting was to review the recently completed expansion program and to develop plans for getting peak production from the new facilities in 1949.

Arnesto Fetes Veteran Employees

The Arnesto Paint Company, New York, recently sponsored a dinner in honor of two of its employees, Walter Klinofsky and Clover Gill, who have been with the company thirty-one and thirty years, respectively. The guests of honor were presented with gold watches and diamond studded service buttons.

Arabian American Leases Offices

The Arabian American Oil Company has signed a long-term lease for all above the ground floor of a twenty-one-story office building at 505 Park avenue, New York.

British Token Import Plan Continued Through 1949

The British token import plan will be continued in the United States during 1949, the Department of Commerce has announced through its Office of International Trade. The decision of the British government to continue the plan was announced simultaneously by OIT and the British Board of Trade.

This trade arrangement was originally established with the United States on July 5, 1946. It permits United States manufacturers, or their authorized agents, with established prewar trade connections in the United Kingdom (England, Scotland, Wales and Northern Ireland), to export to that area token shipments of specified commodities, the importation of which the British government prohibited as a wartime measure. The token import plan operates on a calendar year basis, and is applicable to the United States and certain other countries.

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Oils, Fats and Waxes

Business in oils and fats displayed the usual holiday quietness last week. Prices of most oils were nominal in view of the limited volume of trading. In the edible group, crude cottonseed oil declined fractionally, while corn, peanut and soybean oils remained unchanged, especially soybean oil which reflected the steadiness in the beans. The market was stimulated to some extent by the announcement of larger export allocations of oils and fats for the first 1949 quarter, totaling 161,998,000 pounds, against 87,000,000 pounds for the same period last year.

Price index dropped to 178.6, against 193.6 a month ago, and 236.3 for the corresponding week last year, as a result of the decline in tallow and grease, some animal oils and coconut oil.

Coconut oil was in slow demand and declined 1 cent for prompt and forward delivery. Copra was easier and off $5 per ton.

Further weakness in tallow carried prices downward and trading for soapmakers account took place at a decline of ¾ cent per pound. This was reflected in other animal oils and grease, neatsfoot and tallow oils and oleo stearine were reduced 1 and 2 cents per pound.

Dehydrated castor oil was increased fractionally, while tung and linseed oils were unsettled, and it was stated that firm bids could have shaded asking prices for tankcar business.

Export allocations of oils and fats for the first quarter of 1949 totaled 161,900,000 pounds, and 2,639,000 bushels of oilseeds equivalent to 98,000,000 pounds of oil were authorized by the Department of Agriculture. These totals compared with 87,000,000 pounds of oils and fats allocated during the first quarter of 1948. First quarter 1949 allocations follow:—Lard, 72,500,000 pounds; margarin, 2,100,000; shortening and other edible oils, 21,300,000; linseed oil, 3,500,000; other industrial fats and oils, 50,600,000; soap, 11,900,000; soybeans, 25,000,000 pounds oil equivalent; shelled peanuts, 72,800,000 pounds oil equivalent and cottonseed, 100,000 pounds oil equivalent.

Linseed Oil

Trading continued inactive last week, the market displaying the usual holiday quietness. Raw oil was unchanged and generally maintained at 27.6c. to 27.8c. per pound, tankcars, New York basis. There was a noticeable slackening in the call for deliveries against former contracts. Inquiry for first quarter 1949 requirements continued slow.

Total flaxseed production for 1949 was indicated at 52,533,000 bushels by the Department of Agriculture, compared with 40,536,000 bushels in 1947 and 1937-46 average at 26,756,000 bushels.

PMA reported the purchase of 55 tankcars of raw linseed oil at 26.7c. per pound, f.o.b. California, and 15 tankcars at 26.4c., f.o.b. Montana, December 2, and 308 tankcars at 26.7c. and 6 tankcars at 27.3c., December 8-10.

Minneapolis.—Oil demand was very slow, buyers paying little or no attention to the market, ordering out contracts sparingly and making no new commitments of consequence. Oil held at 27c. per pound, in tanks, zone 1, and was quoted mostly nominal. Reports from other markets indicated that some re-sale oil was going at discounts under the crusher quoted price.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	4,200,000	6,300,000
Since Sept. 1	64,358,000	114,740,000

Flaxseed—Market quiet. Seed offerings lighter and absorbed by crushers at $6 per bushel.

Minneapolis.—Movement of seed to market slowed but there was no change in the buying situation as crushers took everything available on a spot or to arrive basis. CCC was not active in the market, announcing that all open contracts on to arrive flaxseed would be extended to December 31 and then terminated. There was considerable speculation as to government buying action after January 1 but flax handlers and merchandisers in this market were of the opinion that CCC would continue to support the market for the first quarter of 1949 and probably continue on through until such time as support was no longer needed.

Shipments of flaxseed, in pounds, were as follows:—

	Receipts		Shipments	
Bushels—	1948-49	1947-48	1948-49	1947-48
This week	340,000	326,400	54,400	51,000
Since Sept. 1	24,091,000	15,568,300	4,260,940	2,200,100

Cottonseed Oil

Market for bleachable cottonseed oil futures reflected the holiday influence last week and was dull and narrow. The tone of the market was unsettled and quotations scored light recessions. The announcement of larger export allocations of oils and fats for the first 1949 quarter, than for the same time last year, served temporarily to stimulate the market, but the advance was not sustained, following the easiness of lard and grains. Selling pressure was chiefly hedging and was persistent on the bulges. Consuming demand for refined oils and other oil products was reported extremely slow and no improvement was expected until after the turn of the year.

Crude oil was off ¼c. and light trading took place at 16½c. per pound, tankcars, f.o.b. mills for December-April delivery.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended December 23 follow:—

	Sales	Cents per pound High	Low	Close
January	9	19.60	19.20	19.00@19.75
March	399	19.65	19.00	19.37S
May	191	19.27	19.00	19.20S
July	38	19.00	18.65	18.95@19.00
September	..	....	....	17.50@17.65
October	2	16.85	16.85	16.85@17.10
December	..	....	....	16.25@17.10

Total sales—639 tankcars.

Other Vegetable Oils

Castor, Dehydrated—Prices were increased ½c. per pound. Dehydrated

Market Trends

Prices Advanced

Castor oil, ½c. per lb.

Prices Reduced

Coconut oil, 1c. per lb.
Copra, $5 per ton.
Cottonseed oil, ¼c. per lb.
Greases, ¾c. per lb.
oil, 1c. to 1½c. per lb.
Neatsfoot oil, 2c. per lb.
Oleostearine, 2c. per lb.
Tallow, ¾c. per lb.
oil, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
178.6	183.3	193.6	236.3

(For Current Prices see Page 9)

Cottonseed Crush Larger: November

Cottonseed received and crushed and production of cottonseed products for the season (August 1-November 30), as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1948-49	Tons 1947-48
Receipts	[1]4,171,898	3,098,207
Crushed	2,124,956	1,688,575
On hand Nov. 30	2,129,379	1,509,160

Crude Oil

	Pounds 1948-49	Pounds 1947-48
Produced	666,487,000	514,707,000
Shipped	622,973,000	463,708,000
On hand Nov. 30	[2]141,085,000	110,229,000

Refined Oil

	Pounds 1948-49	Pounds 1947-48
Produced	[3]500,491,000	385,415,000
Shipped	....	....
On hand Nov. 30	[4]120,774,000	132,055,000

Cake and Meal

	Tons 1948-49	Tons 1947-48
Produced	982,339	779,821
Shipped	968,318	756,579
On hand Nov. 30	78,427	70,183

Hulls

	Tons 1948-49	Tons 1947-48
Produced	484,534	382,379
Shipped	451,895	348,147
On hand Nov. 30	74,606	70,040

Linters

	Bales 1948-49	Bales 1947-48
Produced	[5]663,667	526,988
Shipped	583,616	436,975
On hand Nov. 30	[6]179,331	169,757

[1] Includes 6,643 tons destroyed during 1948-49. Does not include 89,080 and 99,528 tons on hand August 1, 1948 and 1947, respectively, nor 73,380 and 54,555 tons reshipped during the seasons 1948-49 and 1947-48.

[2] Includes 49,199,000 pounds at oil mills, 71,165,000 pounds at refining and manufacturing establishments, and 20,721,000 pounds in transit.

[3] Produced from 535,236,000 pounds of crude oil.

[4] Includes 113,197,000 pounds at refining and manufacturing establishments and 7,577,000 pounds held elsewhere and in transit.

[5] Includes 153,004 bales first cut, 467,117 bales second cut, and 43,546 bales mill run. Average gross bale weights:—Total, 613.5; first cut, 589.5; second cut, 624.0, and mill run, 586.2 pounds.

[6] Includes 55,545 bales first cut, 109,642 bales second cut, and 14,144 bales mill run.

For Late Market Developments, See Page 4

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bodied was raised to 23½c. and unbodied, to 22½c. per pound, tankcars. Drums, carlots were ¾c. more. No 3 was quoted at 19½c. and drums, carlots, 20½c.

Coconut—Prices were easier and off about 1c. for prompt shipment. Crude oil was reported sold at 19c. per pound, tankcars, f.o.b. Pacific coast, December-early January shipment. January-March was quoted at 18c., same basis. Imports of coconut oil totaled 2,849 tons at New York last week.

Copra—Trading was noted at $252.50 per short ton, c.i.f. Pacific coast for December-January, a decline of $5 per ton. January-February shipment was offered at $255, same basis.

Corn—This market was quiet and nominal. Crude oil was sold at 17c. per pound, tankcars, f.o.b. mills for prompt shipment. Refined oil was inactive at 20½c., same basis.

Oiticica—Inquiry was slow. Market was unchanged and fairly steady.

Olive—Demand was dull. Prices were unchanged and steady. Reports of an embargo on shipments from Spain was expected to eventually stiffen the market for replacements. Spanish oil was quoted at $4.50 to $4.75 per gallon, drums duty paid; spot and Moroccan, at $4.10 to $4.25.

Olive Oil Foots—Business was quiet. Market remained steady at former levels.

Peanut—Prices were unchanged and more or less nominal. Crude oil was sold at 17½c. per pound, tankcars, f.o.b. mill. Refiners showed little interest in the market. Refined oil was nominal at 22c. per pound, tankcars, New York basis.

Soybean—Advance in soybeans created a firmer tone in the oil market. Crude oil was held at 16¾c. per pound, tankcars, f.o.b. mills first half January, following light trading at 16½c. January-March was sold 16¼c. and April-June, 16c., asked same basis. Refined oil was inactive and nominal at 20¼c. per pound, tankcars, New York delivery. Soybeans 1948 production was reported at 220,231,000 bushels by the Department of Agriculture, against 183,558,000 bushels in 1947 and 1937-46 average of 134,642,000 bushels.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended December 23, follow:—

	Sales	Cents per pound High	Low	Close
January	..	....	....	18.00B
March	..	....	....	17.75B
May	..	....	....	17.75B
July	..	....	....	17.25B
September	..	....	....	17.25B
October	..	....	....	15.50B
December	..	....	....	15.50N

Total sales—None.

Tung—Consuming inquiry dried up. Market was unsettled and entirely nominal at 22c. per pound, tankcars, New York basis, with intimations that firm bids could have shaded quotations ¼c. Drums were unchanged at 23½c. per pound, carlots. Arrivals at New York totaled 1,829 tons last week.

Fats and Greases

Greases—This market was easier and entirely nominal last week. Buying interest was at low ebb for domestic and export requirements. Prices were lower. Choice white, 10¾c.; yellow, 8¾c. and house, 8¼c.

Lard—Market was erratic and was unsettled last week. The Army announced purchases of over 7,700,000 pounds of lard at 17¾c. to 18c. per pound, depending upon packing, delivered Brooklyn, N. Y. for relief purposes. Lard and rendered pork fat stocks totaled 70,871,000 pounds December 1 in the United States, against 66,527,000 pounds November 1, 73,377,000 pounds December 1 last year, and the five-year average of 78,794,000 pounds.

The 1948 pig crop totaled 85,281,000 head, an increase of about 1 percent over last year, the Bureau of Agricultural Economics reported December 21. This increase resulted from a larger Fall pig crop since the Spring crop was 3 percent smaller than last year. The Fall pig crop of 33,995,000 head was 8 percent larger than last year. The number of sows farrowing this fall was 5 percent larger than last Fall and exceeded the intentions reported last June by 5 percent. The pigs per litter at 6.58 is the largest on record for the Fall season.

Tallow—Market was weaker and trading was reported for soapmakers account at a decline of ¾c. per pound. Fancy was sold at 11¼c. per pound; loose, extra, 11c., and special, 10¼c., same basis.

Animal Oils

Degras—Market quiet, but steady. Quotations unchanged for all grades.

Grease Oils—Prices were weaker with recent decline in tallow and grease, and the inactive demand. Extra Winter strained and prime burning declined to 20c. to 22c. per pound, drums, respectively, while No. 1 was unchanged at 17c.

Neatsfoot Oil—Quotations were reduced 2c. per pound for all grades. Business was slow and market was entirely nominal. Fifteen degree was quoted at 41c. per pound, drums; 20 degree 40c. and 30 degree 38c.

Oleo Oil—Market was entirely nominal

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at 22c. per pound, tierces, New York delivery.

Oleo Stearin—Demand was quiet and prices nominal at 16c. per pound, barrels, New York.

Tallow Oil—Lower prices were named for acidless oil at 17c. to 17½c. per pound, tierces, as to quantity, off 1c.

Fish Oils

Crude Fish Oils—Business was slow. Crude sardine oil quoted at 14c. per pound, loose, f.o.b. Pacific coast. Crude menhaden oil inactive and nominal at 14c. to 15c., Atlantic ports.

Refined Fish Oils—Market dull and featureless. Prices were without change and more or less nominal.

Cake and Meal

Cottonseed Meal — Slab cake 41 percent loose was offered at $62 Memphis and $61 Valley for December with January discounted $1.50 to $2. Southeastern trading was also dull and where available sacked 41 percent meal can be purchased at $66. Some sales were made in North Carolina for January at $65 and February at $64. Due to excessive rains in November and early December, there is expected to be an appreciable amount of dark meal produced in the southeast during the next several months with some meals already discounted $6 less than prime.

Linseed Meal — Consuming inquiry slackened, and market slightly easier for spot delivery.

Minneapolis.—Demand for meal slowed early in the period and prices slid $2 a ton for the recent $69 peak level. Demand for December shipment was very slow but January interest was perking up at around $74 to $75 per ton (bulk). February meal was quoted at $68 to $70 per ton but interest was not too broad.

Shipments of linseed meal in pounds, were as follows:—

	1948-49	1947-48
This week	12.960.000	10.860.000
Since Sept. 1	201.480.000	175.900.000

Peanut Meal—There are no stocks pressing in the market and limited sales were made last week on sacked 41 percent at $62 and sacked 45 percent at $67. There are still many export inquiries with production nil.

Soybean Meal—Sacked 45 percent meal was offered by North Carolina processors at $68 January and $67 February. Resellers are generally asking $71 for December. Decatur market was dull and bulk 41 percent ranged from $66 to $68 December with January $61 to $62 and February, March $60.

Waxes

Beeswax—Market remained steady, with the firmness of crude wax for shipment. Demand was quiet and quotations unchanged.

Candelilla—Offers for spot delivery were liberal. Trading was inactive and prices were unchanged.

Carnauba—Moderate volume of business was reported for shipment early in the week, but subsided later. Prices were unchanged and ruled steady for spot delivery.

Ouricury—Limited offers for shipment were firmly held at former levels. Supplies on spot were limited and well held. Brazil's exports of ouricury wax in the first half of 1948 totaled 777 metric tons, valued at $937,900, according to statistics of the Ministry of Finance. United States took 611 tons.

Philippine Copra Exports Running Far Ahead of '47

Philippine copra exports of 58,746 long tons during November were the largest monthly shipments since February, according to the Office of Foreign Agricultural Relations. The total for the first 11 months of 1948 amounted to 575,872 tons, representing 64 percent of the volume which moved out during January-November, 1947. The United States received only 31,653 tons in November, compared with 78,857 tons for the same month last year.

Coconut oil exports dropped to 3,431 tons during the month following the monthly peak of 8,633 tons in October. Over 2,500 tons were sent to the Atlantic coast of the United States, and 674 tons to the Gulf coast. During Septetmber, a new crushing plant began operations in Manila. When copra supplies become more abundant and prices stabilized, it is expected that this new plant, which has the largest crushing capacity in the Philippines, will furnish significant quantities of coconut oil for export.

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Fats and Oils Import, Export Data Released for Jan.-Oct.

The Office of Foreign Agricultural Relations last week released preliminary data showing exports and imports of specified fats, oils and oilseeds during the first ten months of 1948. The figures, in pounds unless otherwise indicated, compared with January-October, 1947, as follows:—

Exports

	January-October 1948	January-October 1947
Soybeans, bushels	2,329,000	1,884,000
Soybean oil—		
Refined	34,294,000	28,469,000
Crude	39,983,000	43,578,000
Coconut oil—		
Refined	8,773,000	3,381,000
Crude	9,507,000	48,324,000
Cottonseed oil—		
Refined	20,606,000	4,101,000
Crude	3,841,000	84,000
Flaxseed, bushels	123,000	12,000
Linseed oil	25,667,000	5,026,000
Peanuts—		
In shell	291,057,000	133,798,000
Not shelled	7,145,000	14,632,000
Peanut oil, refined	669,000	695,000
Cooking Fats	2,745,000	2,948,000
Lard	215,665,000	324,926,000
Oleomargarin	3,124,000	16,461,000
Tallow—		
Edible	1,277,000	564,000
Inedible	49,527,000	44,991,000

Imports

	January-October 1948	January-October 1947
Babassu kernels	43,220,000	22,013,000
Babassu oil	1,221,000	1,523,000
Castor beans	245,[illegible]	289,035,000
Castor oil	[illegible]	6,595,000
Flaxseed, bushels	[illegible]	399,000
Linseed oil	[illegible]	179,325,000
Copra, short tons	[illegible]	537,619,000
Coconut oil	[illegible]	7,231,000
Officica oil	[illegible]	9,071,000
Olive oil—		
Edible	29,[illegible]	9,345,000
Inedible	7,[illegible]	227,000
Palm oil	47,[illegible]	50,250,000
Sesame seed	21,[illegible]	9,110,000
Teaseed oil	3,[illegible]	6,130,000
Tucum kernels	12,[illegible]	16,887,000
Tung oil	110,621,000	91,749,000

Margarin Output Smaller

Margarin production totaled 79,625,000 pounds in October, compared with 80,433,000 pounds in September and 87,004,000 pounds, October last year, according to the Bureau of Internal Revenue.

	October 1948	October 1947
Production of uncolored margarin	70,285,346	80,661,636
Withdrawn tax-paid	69,691,493	79,197,409

Used in Uncolored Margarin

Butter flavor	1,659	310
Citric acid		14
Coconut oil	4,330	230,300
Corn oil	1,908	885,183
Cottonseed flakes		480
Cottonseed oil	40,401,078	39,515,890
Cottonseed stearin		27
Derivative of glycerin	108,544	128,142
Diacetyl	358	225
Lecithin	110,443	94,732
Milk	11,647,762	13,554,373
Monostearin	61,327	89,684
Neutral lard	328,069	386,205
Oleo oil	231,687	354,056
Oleo stearin	181,754	422,524
Oleo stock	30,175	103,800
Peanut oil	59,881	815,937
Salt	2,129,593	2,530,120
Soda, benzoate of	50,956	59,219
Sodium sulpho acetate	5,136	.....
Soybean flakes	430	.....
Soybean oil	15,830,828	22,747,612
Vitamin concentrate	10,198	12,352
Total	71,196,121	81,931,185
Production of colored oleomargarin	9,340,777	6,343,107
Withdrawn tax-paid	8,627,886	3,696,750

Used in Colored Margarin

Butter flavor	127	66
Coconut oil	49,362	1,520,495
Color	4,398	3,664
Corn oil	911	20,278
Cottonseed flakes		3,300
Cottonseed oil	5,285,515	2,038,102
Derivative of glycerin	13,850	7,348
Diacetyl	42	40
Lecithin	13,720	5,557
Milk	1,583,077	1,090,184
Monostearin	4,677	3,955
Neutral lard	3,100	18,617
Oleo oil	4,700	22,460
Oleo stearin	5,850	.....
Oleo stock	2,200	13,000
Peanut oil	2,326	4,442
Salt	287,487	202,107
Soda, benzoate of	5,260	2,732
Soybean flakes	3,395	.....
Soybean oil	2,194,364	1,504,986
Vitamin concentrate	1,219	711
Total	9,466,080	6,462,044

Flaxseed 1948 Production

—Continued from page 3

production in European countries indicate an increase of almost 50 percent over the preceding year. The United Kingdom more than doubled both acreage and production to produce 1,700,000 bushels. Flaxseed output in the Soviet Union is estimated at 22,000,000 bushels, as compared with 15,200,000 in 1947 and 11,300,000 bushels in 1946.

India's 1948 flaxseed crop was 14,600,000 bushels, while Turkey harvested 1,800,000 bushels, with the concentration being on flaxseed for seed, rather than fiber.

Argentina's 1948 flaxseed crop, estimated at 21,000,000 bushels, is the smallest in more than thirty years. In Chile, 17,000 acres have been planted to flaxseed, which is 30 percent greater than in 1947. On the basis of average yields of the past two years, production should be well above the 168,000 bushels realized in 1947. Uruguay has reduced plantings below last year when 4,100,000 bushels were produced.

There was a substantial expansion in African flaxseed acreage in 1948. Algeria harvested 394,000 bushels, Egypt produced 312,000 bushels, and Morocco produced more than 1,000,000 bushels.

Spencer Kellogg & Sons, Inc., has elected Walter C. Lindsay a director, to succeed Harry J. Aldrich. Mr. Lindsay is a partner in the law firm of Dudley, Stowe & Sawyer, Buffalo, N. Y.

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Lever Bros. Promotes Two

Lever Brothers Company has appointed Harry D. McQueen wholesale sales manager of its Pepsodent Division, and has named Otto J. Hajek assistant to the general sales manager. Mr. McQueen, who has been the division's Chicago divisional sales manager since 1945, will now be responsible for its entire wholesale operation. Mr. Hajek has been with the organization since 1927.

Am. Cyanamid Reissues Resin Data

The coating resins department of the American Cyanamid Company, New York, has published a new edition of the booklet describing "Rezyl 50-5" resin. The publication presents the chemical and physical characteristics of the product and gives suggested formulations for its use in various applications. Copies may be obtained from the company at 30 Rockefeller plaza, New York.

Current Prices

—*Continued from page 31*

Zinc oxide pigment, dom., French process, com'l., leadfree, bgs., c.l., ship't point, frt. alld	lb.	.15¾- —
l.c.l., works	lb.	.16 - —
green seal, bgs., c.l., ship't point, frt. alld	lb.	.15¼- —
l.c.l., works	lb.	.15½- —
red seal, bgs., c.l., ship't point, frt. alld	lb.	.14¾- —
l.c.l., works	lb.	.15 - —
white seal, bgs., c.l., ship't point, frt. alld	lb.	.15¾- —
l.c.l., works	lb.	.16 - —
USP, ctns., c.l., ship't point, frt. alld	lb.	.16¾- —
l.c.l., same basis	lb.	.17 - —
Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.		
Phenolsulphonate, NF, gran., bbls., dms	lb.	.28 - .29
powd., bbls.	lb.	.31 - .32
Resinate, fused, 1% Zn, dms., frt. alld	lb.	.20 - —
precip., dms., frt. alld	lb.	.23 - —
Silicofluoride, bbls., works	lb.	.10 - .10⅛
Stearate, ctns., 2,000 lbs.	lb.	.42 - —
smaller lots	lb.	.43 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	5.50 - 6.05
l.c.l., same basis	100 lbs.	5.90 - 6.45
flake, 25½% Zn, bgs., c.l., works	100 lbs.	5.75 - 6.40
l.c.l., works	100 lbs.	6.15 - 6.80
powd., 36% Zn., bgs., c.l., dlvd., same basis	100 lbs.	8.75 - 9.65
l.c.l., same basis	100 lbs.	9.50 -10.05

Zinc sulphate in bbls. 40c. higher.

Zinc sulphide, pure, bgs., c.l., dlvd.	lb.	.13½- —
l.c.l., works	lb.	.13¾- —
Barium pigment, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., works	lb.	.08¼- —
Calcium pigment, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., works	lb.	.08¼- —
Luminescent pigment, frt. alld.	lb.	1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd	lb.	.08 - —
l.c.l., dlvd	lb.	.08¼- —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.		
Yellow (see Yellow, zinc)		
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180- .1360
l.c.l., same basis	lb.	.1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld.	lb.	.17 - —
normal, dms., works, frt. alld.	lb.	.39 - .40
Zinc-iron oxide pigment, bgs., c.l. dlvd	lb.	.08½- —
Pac. coast	lb.	.09¼- —
l.c.l., dlvd. E. of Rockies	lb.	.09 - —
Pac. coast	lb.	.09¾- —
Zircon (see Zirconium silicate).		
Zirconium acetate, solution, bbls., works	lb.	.25½- —
Carbonate, basic, cake, bbls., works	lb.	.30½- —
Hydride, cns., works	lb.	7.00 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works	lb.	1.50 - —
lump, electric-fused, bgs., c.l. works	lb.	.44 - —
5 tons, works	lb.	.44½- —
1 ton or less, works	lb.	.45 - .48
milled, electric-fused, bgs., c.l., works	lb.	.59 - —
5 tons, works	lb.	.59½- —
1 ton or less, works	lb.	.60 - .63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½- —
Silicate, granular, bgs., c.l., works	lb.	.03¼- .03¾
10 tons, works	lb.	.03½- —
5 tons, works	lb.	.04 - —
1 ton or less, works	bl.	.04¼- .04¾
milled, bgs., c.l., works	lb.	.04¾- —
5 tons, works	lb.	.05¼- —
1 ton or less works	lb.	.05¾- .06¾
refined, bgs., c.l., works	lb.	.11 - —
5 tons, works	lb.	.11½- —
1 ton or less, works	lb.	.12 - .16
Sulphate, cryst., ctns., c.l., works	lb.	.37½- —
5 tons, works	lb.	.38 - —
1 ton or less, works	lb.	.38½- .39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the December 6 issue of OPD.

TALLOW FATTY ACIDS GLYCERINE RED OIL

RED OIL
STEARIC ACID
WHITE OLEINE U.S.P.
COTTONSEED FATTY ACIDS
COCONUT FATTY ACIDS
80% CAPRYLIC ACID

88% SAPONIFICATION
CRUDE GLYCERINE
TALLOW FATTY ACIDS

MANUFACTURERS SINCE 1837

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GEORGE MANN & CO., Inc. — Providence 3, R. I.
CADILLAC CHEMICAL CO., Inc. — Detroit 7, Mich.
MORELAND CHEMICAL CO. — Spartanburg, S. C.
BAKER & CAFFNEY — Philadelphia 7, Pa.
J. C. ACKERMAN — Pittsburgh, Pa.
SMEAD & SMALL, Inc. — Cleveland 15, O.
BRAUN-KNECHT-HEIMANN CO. — San Francisco 19, Calif.
BRAUN CORP. — Los Angeles 21, Calif.
CHARLES ALBERT SMITH, Ltd — Toronto 3, Canada
THOMPSON HAYWARD CHEMICAL CO. — Kansas City 8, Mo.

A. GROSS & CO.
295 MADISON AVE., NEW YORK 17, N. Y.
FACTORY: NEWARK, N. J.

WHITE OLEINE USP STEARIC ACID TALLOW GLYCERINE

Arlington WOOL GREASE

Largest Recoverers of Wool Grease since 1896

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WILLIAM Whitman COMPANY, INC.
ARLINGTON DIVISION
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Oxidized Petroleum Waxes

Emulsions — Floor Polishes
Carbon Paper — Protective Coatings
M.P. 90-190°F. — Acid Value 5-55

AMORWAX
Refined Petroleum Waxes

Paste Polish — Shoe Polish
Laminating — Impregnating
Insulation
M.P. 100-195°F. — Pen. 2-25 — Color—Amber-White

Refined Genuine Yellow Ozokerite
Ceresines — Paraffines

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Formulations, Specifications, Quotations, Tec. Data

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29 Broadway — New York 6, N. Y.

FMC

IT'S TIME to take INVENTORY!

FMC Buys—and Sells Good Process EQUIPMENT

HI-LITES from STOCK

3—Devine Vacuum Shelf Dryers, No. 11, 40"x43".

3—Tubular Condensers for above available if desired.

8—Single and Double Drum Atmospheric Dryers, from 2'x3' to 5'x12'.

2—Bartlett & Snow Stainless Vac. Pan Dryers: 5'10"x 2'11".

1—Bullovak Nickel Rotary Vac. Dryer, 5'x30'.

2—Struthers Wells Stainless Atmospheric Drum Dryers, 5'x4' and 5'x10'.

4—Apron Type Conveyor Dryers by Proctor & Schwartz, Sargent, others; up to 72"; single and multiple pass.

6—Truck and Tray Dryers, steam or electrically heated, several sizes.

4—Louisville Steam Tube Dryers: 3'x20', 4'6"x25', 6'x25' and 5'6"x30'.

2—Huhn Steam Tube Dryers: 24"x11'6" and 30" x10'.

5—Hess and Hersey Dryers up to 25'.

1—Brand New Girdler Votator 1A stainless, 2 cylinder, 4".

1—A.T.&M. 40" Stainless Centrifugal Imperforate Basket, bottom discharge, 40 HP motor.

3—Monel and Stainless 30" Stainless Centrifugal Extractors.

1—Bird 48" Solid Bowl Steel Centrifugal, suspended type plow and solid bottom discharge.

1—Bird Continuous Centrifugal Filter, 36"x50".

8—Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper lined, cast iron with heresite lining and steel accessories included.

4—Pfaudler Glass - Lined Vacuum Kettles, 500 gal., 2,500 gal. Jkt'd. or Unjk'd., with agitators.

1—Stainless 550 gal. Jacketed and agitated Reactor with Bellux and Tubular Condenser.

15—Autoclaves and Reactors in Cast Iron, Steel, Stainless, some with agitators and jackets.

8—Dopp 200 gal. Jacketed Kettles.

1—Dopplex 700 gal. Jacketed and Agitated Pressure Kettle.

7—Pebble and Ball Mills, 24"x20", 36"x36", 36"x48", 6'x5' and 6'x8'.

10—Roller Mills Lab. size to 16"x40", standard makes.

8—Lancaster Type LBG4 Counter Current Stainless Batch Mixers.

30—Shriver and Sperry Filter Presses, all sizes.

Sweetland Filters, Nos. 5, 10 and 12.

12—Oliver, Feinc, Kelly Filters from Lab. size to 11'6" to 18', specifications on request.

4—Louisville Dewatering Presses, Model 3A.

●

Nobody BUT Nobody Pays MORE for Your Surplus Equipment

FIRST MACHINERY CORP.
157 Hudson Street,
New York 13, N. Y.

MACHINERY OFFERINGS

SPECIAL LIQUIDATION

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Your opportunity to buy very fine, modern equipment, right off the foundations.

See our representatives, at the plant, foot of Canal Street, Stamford, Conn., phone Stamford 3-2171, or write to Consolidated Products Co., P.O. Box 1115, Stamford, Conn.

Here are some of the principal items of interest to Paint and Lacquer manufacturers:

RUBBER & PLASTICS COMPOUNDING

1—24" x 66"—3 roll Calendar, herringbone gears throughout, with reduction drive, Variable Speed Motor, Controls and all accessories.

1—22" x 20" x 60" Erie Mill, installed new, 1948, with Reduction Drive, 125 HP Synchronous Motor & Controls.

1—Line of 2—22" x 20" x 60" Mills with reduction drive, motor and controls.

1—Line of 4—20" x 48" Mills with reduction drive, motor and controls.

1—18" x 48" Farrell Mill with reduction drive, motor and controls.

1—No. 3 Banbury Mixer, with motor and controls.

1—100 gallon Baker Perkins jacketed double arm Mixer, heavy duty, with drive and 40 HP Motor.

TANKS

2—Stainless steel, agitated, each 350 gallons cap., belt driven propellor agitators.

30—Vert. and horiz., riveted and welded, from 2,000 gals. to 12,000 gals.

7—Blue enamel, 30" x 36", 100 gal. ea. Bolted-on dished covers with 14" manhole, 3" bottom outlet, leg supports. One with enameled paddle agitator, belt driven.

PUMPS

Viking Gear Pumps—All iron with safety valves. All directly connected to Explosion proof Motors 3/60/220-440. Ranging from 1½" with 3 HP to 4" with 20 HP Motors.

SCALES

Approximately 30 Toledo Dial Scales, Portable, Bench and Floor type, range 500-3000 lbs.

PEBBLE MILLS & GRINDERS

14—P. O. Abbe 36" x 42" Burrstone and porcelain lined, tight and loose pulley drive, liquid discharge gate.

3—Colloid Mills, each directly connected to 2—Terry 10 HP 5000 RPM Steam Turbines.

1—No. 2 Ball & Jewell Rotary Cutter, direct connected to 40 HP motor.

MIXERS & COTTON CUTTERS

6—325 gal., Steel Simplex Turbo Mixers, with bolted on covers, each with Turbo Mixer Drive 4B, Falk Motoreducer Ratio 6-1, and Louis Allis 15 HP 3/60/220-440 1760 RPM Explosion proof motor and starters.

3—950 gal. Steel Simplex Turbo Mixers, welded on dished covers. Each with Turbo Mixer Drive 5B, Falk Motoreducer, Ratio 7-1, and L. A. 30 HP 3/60/220-440, 1750 RPM Explosion proof motor and starters.

4—Alsop Hyspeed back geared Portable Agitators, ½ HP, 3/60/220-440, back geared 438 RPM—2 Steel Propellers, 48" shaft, explosion proof motors.

1—Baker Perkins 100 gal. working cap., jack., double geared, sigma blade, power tilting, motor driven, 40 HP GE 3/60/440.

2—J. H. Day 20 gal. Brighton Mixers, tight and loose pulley.

2—J. H. Day 40 gal. Change Can Mixers, tight and loose pulley.

1—Ross 50 gal. Mammouth Change Can Mixer, tight and loose pulley.

SOME OF THE PRINCIPAL ITEMS AT OUR NEWARK SHOPS

DRYERS

6 x 50 Louisville Rotary Steam Tube.
6 x 23 Hersey Rotary Hot Air.
3'6" x 28' Direct Heat Rotary.
5' x 33' Rotary Vacuum.
32" x 72" Buffalo Double Drum Atmospheric.
28" x 60" B&C Double Drum Atmospheric.
Buffalo Vacuum and J. P. Devine Vacuum Shelf, 40 x 42, 5, 6, 9 shelves.

CRUSHING & GRINDING, PULVERIZING

1—Raymond 5-roll High Side, complete with Motor accessories.
2—Raymond No. 000 Pulverizers.
1—Raymond No. 0000 Pulverizers.
1—Size B—Erie City Motor Driven Coal Pulverizer.
1—Raymond 4-roll High Side.
1—Jeffrey 24 x 20, type B, Hammer Mill.
1—Williams 2XX Roller Bearing Hammer Mill.
1—Micro 4TH 24".
1—JB No. 2 Hammer Mill.

KETTLES

3—5,500 gallon Steel Copper Coils, Closed, Agitated.
1—2,000 gal. Steel Jacketed, open top, Agitated.
4—1,200 gal. Steel Lead, coils, lead lined, Closed.
1—1,200 gal. Aluminum, Jacketed, Closed.
1—750 gal. Aluminum, Jacketed, Closed, Agitated.
1—700 gal. Steel Jacketed, open top, non-Agitated.
1—550 gal. Steel Jacketed, open top, non-Agitated.
1—500 gal. Aluminum, Jacketed, Closed, Agitated.
1—500 gal. Stainless Steel, Jacketed, Closed, Agitated.
2—500 gal. Stainless Steel Unjack. Closed Agitated.
1—200 gallon Steel Jacketed, open top, Agitated.

CENTRIFUGALS

1—60" Tolhurst Copper Basket, belt-driven, center slung.
2—48" Troy Steel Basket V-Belt Motor Drive.
5—42" American Tool stainless steel, Direct Motor Driven.
8—40" American Tool, Copper Basket, belt driven, in Battery, with Mixer.

FILTERS

1—No. 12 Sweetland, 4" centers, iron or copper leaves.
1—No. 10 Sweetland, 2" centers, iron or copper leaves.
1—No. 5 Sweetland 2" centers, copper leaves.
1—8 x 12 Oliver Acid Proof.
2—8 x 12 Oliver all steel.
3—8 x 10 Oliver wood stave.
3—36" Sperry 60 plate cast iron, Recessed, center feed, open delivery, hydraulic closing.
4—30" Sperry Skeletons—gear closing.

MIXERS

2—Baker Perkins, Size 17, Jacketed, 200 gallon.
1—W & P, Size 16, Unjacketed, 150 gallon.
8—Baker Perkins, Size 15, Jacketed, 100 gallon.
1—W & P, Size 14, Unjacketed, 50 gallon.
1—W & P, Size 12—Jacketed, 20 gallon.
1—3,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. Stedman Drum Mixer, Motor Driven.

ACID PROOF OLIVER FILTER

8' dia. x 12' face Oliver Rotary Continuous Vacuum Filter, lead valve, lead covered drum heads, rubber covered oscillating agitator, lead lined trough, etc. For immediate shipment.

ONLY A PARTIAL LIST—ALL ITEMS LISTED ABOVE ARE AT NEWARK

3-APRON DRYER

1—Proctor & Schwartz Soap Chip Dryer, 5-Section with late 2-roll 4' dia. Cooling rolls, 72" apron.
Part of Liquidation of Soap Plant at Newark, N. J.
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Liquidating **WAVERLY SUGAR CO.**, consisting of Filter Presses, Cast Iron 10' dia. Quad. Effect Evaporator, Kettles, Pumps, Hammer Mills, etc.
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WANTED—YOUR IDLE MACHINES—SEND LIST NOW

PROCESS EQUIPMENT FOR SALE

3—NEW 65 gallon jacketed C. I. DOPP kettles with hinged covers.
1—J. H. Day "Hercules" 6 barrel heavy duty mixer.
1—J. H. Day "Imperial" 75 gallon—jacketed sigma blade tilting mixer.
1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
2—Sperry 24" C. I. one eye open delivery filter presses.
1—19½" dia. x 15" deep ⅝" thick stainless steel kettle with bolted cover. Capacity 16 gallons.
1—Western Bear Cat size 2A Shredder.
1—Gum crusher with 14"x14" hopper.
3—Lehmann 12"x30" five roller water cooled mills.
1—Lehmann 18"x48" five roller water cooled mill.
1—J. H. Day 16"x40" three roller water cooled mill.
1—Kent 12"x30" three roller water cooled mill.

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Full line of pumps, tanks, kettles and mills of all kinds.

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2—Dopp 1,000 gal. Jack. Agit. Kettles, Doppley Acid Resistant & Iron
1—Baker Perkins 200 gal. Double arm Jack. Mixer.
1—Lehman 4 Roll W.C. 12" x 36" Steel Mill 20 H.P. Motor.
3—Hardinge Conical Ball Mills, 4½' x 24" & 3' x 8".
4—Allbright-Nell 4' x 9' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers, Cookers & Dryers.
2—Devine No. 3 Vac. 4 Shelf Dryers, Electric Heated.
1—Badger 42" dia. Monel Bubble Cap Column.
1—Buffalo Vac. Drum Dryer 24"x20".
1—Devine Vac. Shelf Dryer, 9—40"x 42" steam shelves, 6" spacings.
4—Pebble Mills 6' x 8', 54" x 48", 24" x 36" & 24" x 30".
2—Sperry 18" sq. Lead Filter Presses.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. Pl. & Fr. Wood Filter Presses, 18" x 24" sq.
Extra 36" Iron Sperry Plates & Frames.
4—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Sturtevant No. O Swing Hammer Pulverizer.
1—Orville Simpson 20" x 40" 2-deck Rotex Sifter & 40" x 80" Single.
2—Abbe No. 18 Bluteregg Sifters.
6—Tyler 3S Jr. Hummer Screens, 24" x 60".
1—Robinson No. 10 Saw Tooth steel Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge. Also 26" Rubber-Lined.
4—Lehmann & Kent 3-Roll Steel Mills, 3" x 9", 9" x 22", 12" x 30", 16" x 40".
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia. Also ⅝", 1", 1⅛", also single punch.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
3—Jones Type E, A & K automatic Soap Presses.
1—Huber 25 ton Para Block Press.
3—Hoboken 24" x 30" 4-Roll Granite Stone Mills.
11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
2—Manton Gaulin Stainless Steel Homogenizers, type 200 & 300.
Devine 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal. lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
2—Buckbard 38" & 30" Revolving Pans.
10—Stokes Vert. High Vac. Pumps.
2—Durston 2" x 2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Sharples No. 6 Centrifuge.
1—Sameo Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit. Kettles, 250, 400, 500 gals.
25—Stainless Tanks, 100 to 3,000 gals.
1—Colton Hand Tube Filler.
6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel, jacketed Kettles, new & used, 40 to 500 gals.
12—Alum. Jack. Kettles, 30 to 100 gals.
28—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
15—Port. Elec Mixers, ½-2 HP.
1—Lab. double steel Ball Mill.
1—New Patterson 8-gal. Jar Mill.
1—Abbe 2 Jar Mill, 2 gal. Jars.
1—Abbe No. 0 Rotary Cutter & H P.
1—Williams No. 3 Hammer Mill.
3—Jeffrey & Stedman Hammer Mills 12" x 9", 15" x 8" & 24" x 11".
1—Stedman 32" Single Roll Crusher.
4—Day Pot Mills, 24" x 32" dia.
6—Centrifugals 25", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
4—Dopp Jack Kettles 10 to 50 gals.
1—Blystone 2,500 lb. horiz. Spiral & Paddles Steel Mixer.
6—Lead & Paste Mixers to 300 gals.
1—Faust 150 gal. Jack. Spiral Mixer.
2—Worth, 12" x 12" x 12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 200 & 800.
1—Double Stand Steel 4-Roller Mill.
Soap Machinery for Toilet, Laundry, Chip, Liquid, etc.

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Stainless Steel Tanks, new, 100 and 200 gal. dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gal.
50—Pumps (Steam & Electric) used & new.
1—30" Stainless Klein Filter & Slurry Feeder—new.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank 7' dia. x 10', No. 430 Chrome.
1—Buffovak Impregnating Tank 42" x 52" steam Jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
4—Steel Tanks, 100,000 gal. each.
1—Steel Tank, 67,500 gal.
Sterilizers 18 x 18 and 24 x 27 with clamp-down covers & safety valves.
1—Sperry Filter, 18 x 18—24 plate.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL

Pumps—2 LeCourtney, 2250 gpm at 90' with 50 H. P. motors & starters —used one day—like new.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

BRILL Offers Dependable Equipment

16—2 Truck Atmospheric Steam Heated Ross Eng. Co. Truck Dryers, 500 sq. ft. drying surface.
5—Abbe 6'x8', 5'x4' porcelain-lined, jacketed Pebble Mills, motor driven.
1—J. H. Day, stainless steel Jumbo jacketed horizontal Batch Mixer, 1,490 cu. ft.
10—Powder Mixers, 100 to 4,000 lbs.
2—3TH, 2TH Mikro Pulverizers.
2—Day Ro-Ball No. 81 Screeners, 40"x120", all stainless steel.
10—Stainless Kettles, 50 to 300 gals.
3—Pfaudler 60, 80, 150 gal. glass-lined jacketed, agitated Kettles, M.D.
1—Struthers Wells, 400 gal., closed, jacketed, agitated Kettle.
6—Dopp 250, 150 gal. jacketed, agitated Kettles.
2—Buffovak Vacuum Shelf Dryers, each with 20—42"x42" shelves.
1—J. P. Devine 3'x14' stainless steel clad Rotary Dryer with steam tubes.
3—J. H. Day 3-Roll water-cooled Roller Mills, 12"x32" and 16"x40", M.D.
8—J. H. Day 100 gal. Lead Mixers.
2—Baker Perkins Double Arm Mixers, 50 gals.
5—Sperry Filter Presses, 24", 30", 36".
3—Sperry 42"x42" aluminum Plate and Frame Filter Presses.
2—No. 5 and No. 2 Stainless Steel Sweetland Filters.
2—Sharples No. 16 Vaportite Centrifuges, stainless steel bowls.
3—No. 6 Super Centrifuges.
5—S&S, Rogers, Powder Fillers.
30—Stokes Single Punch and Rotary Tablet Machines, DD2, D4, BB, B, F, R.
20—Olivite Centrifugal Acid Pumps, 2".

BRILL EQUIPMENT COMPANY
225 West 34th Street, New York 1, N. Y.
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SPECIAL OFFERINGS UNION Rebuilt Machinery Established 1912

FOR IMMEDIATE DELIVERY AT SACRIFICE PRICES

Knapp Adjustable to No. 10 (1 gal.) Can or Glass Bottle, Allaround Wrap Labeler.

Mikro 4th—24", 1-SH and Bantam Pulverizers, Jay Bee, Schutz O'Neill Mills, etc.

Baker Perkins and Readco Heavy Duty 100-150 gallon Double Arm Mixers.

F. J. Stokes, J. H. Day, New Era, Hottman Mixers. From 2 gallons to 450 gallons.

Day & Robinson 100, 600, 1,200 2,400 and 4,000 lb. Dry Powder Mixers & Sifters.

Kent & National Equipment 3-Roll Mills, 16" x 40" size.

Ross, Lehman and National Equipment 3 to 7 ft. Chasers.

Horix, MRM, Elgin & Mojonnier S.S. Rotary Fillers, Bagby Twin Piston Filler.

2 Pony Labelrites, Ermold and World Semi-Automatic and Fully Automatic Rotary and Straightaway Labelers.

Stokes & Colton Late Style Rotary Tablet Machines.

Stokes and Smith G-1 and Duplex Auto Powder Fillers.

Sweetland, Vallez, Sperry, Shriver and Johnson Filters.

Shriver 36" & 42" Plate Frame Wash Type Filter Press.

MANY OTHER ITEMS OF INTEREST IN STOCK

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TOP PRICES PAID FOR YOUR SURPLUS EQUIPMENT

UNION STANDARD EQUIPMENT CO.
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AUTOCLAVES
1—Aluminum 100 gal., jktd. & agit.
1—Iron 130 gal., jktd.
1—Steel 180 gal., jktd. & agit.
CONDENSERS—EXCHANGERS
10—B & G Steel Tub., 31½ sq. ft.
8—All Copper Tub., 127 to 281 sq. ft.
2—Stainless Tub., 315 sq. ft.
3—Plate type exch., 70 & 108 pl.
9—Double Pipe Coolers or Exch.
1—Brine Cooler—400' coil.

DRYERS
3—Double Drum, atm., 22" x 38".
3—Rotary Vac.: 5' x 30', 5'6" x 20'.
2—Rotary Steam Tube: 5'6" x 30', 6' x 25'.
1—P & S atm. Tray: 1,030 sq. ft.
2—Vac. Tray: 100 & 215 sq. ft.
3—Pan Dryers or Grainers: 5' dia. x 30", 9'6" dia. x 36".

FILLING EQUIPMENT
1—Stainless steel auto. 4-piston—paste.
1—Stokes No. 2C semi-auto—paste.
2—Stokes No. 80B hand op.—paste.
4—Powder Fillers, semi auto.—auger type.
1—Double Spout Powder Filler—auto.
1—Triangle "Elec-Tri-Pak" bulk filler.
1—Kiefer Auto. Vac. Filler, 24 spout, stainless.
3—Semi auto. Vac. Fillers, 8 spout, bronze.
1—Syphon Filler, 8 spout, stainless.
1—Ayars Tablet Filler & Counter.

FILTERS
1—Sweetland No. 10, C.I. body, 53 bronze leaves on 2" centers.
3—Rotary Vac.: 8' x 2' rainier & lead acid proof, 8' x 6' stainless, 6' x 3' steel.
8—P & F Presses: 12" to 42"—C.I., bronze, wood, lead, etc.
40—Single plate, multiple disc pressure leaf and miscellaneous types—various sizes.

MILLS
2—Ross 3-roll Paint, 16" x 40".
1—Kent 3-roll Paint, 16" x 40".
2—Day 3-roll Paint, 12" x 32".
1—Kent No. 9 Flat Stone, 20".
1—Thropp 2-roll Rubber, 6" x 14".
2—Thropp 2-roll Plastic, 16" x 30".
1—U. S. Colloid, 6", stainless rotor.
1—Premier Colloid U3, 6", stainless rotor.
1—Hardinge Cont. Conical Ball, 4'6" x 24".
3—Abbe Pebble, 6' x 8', 26" x 12".
6—Day & Abbe jar mills.
Also Hammer Mills, Attrition Mills, Crushers, Pulverizers, Disintegrators, etc.

MISCELLANEOUS
1—Stokes 43A Oscillating Granulator.
1—Day D-8, 170 gal. Horiz. Spiral Mixer, jktd.
8—Stainless Kettles, 100 lb. jkt.: 50 to 500 gal.
15—Stainless Clad Kettles, 40 lb. jkt.: 30 to 80 gal.
8—Stokes Rotary 16 punch Tablet Presses.
2—DeLaval No. 600 Centrif. Separator.
1—Sharples No. 18V Super Centrifuge.
1—ATSM Susp. Centrif. 40" Stnls. Imp. Bskt.
2—Bronze Cent. Motorpump 200 GPM—230'.
33—Glass Lined Tanks, 7,500 & 8,250 gal.
72—Jktd. Steel Mixing Tanks to 2,200 gal.
4—Tank Scales, steel tanks.
2—Steam Turbines—8 & 10 HP.

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Tideland Oil Claims

—Continued from page 4

be reintroduced in Congress with the opening of the session on January 3.

Congress attempted this action on two occasions in the past, but it never became a law. The first attempt to settle the issue legislatively was in 1946 while the California case was pending in the supreme court. Congress passed a bill giving the State title to the land, but it was vetoed by President Truman. In 1947, another bill was passed by the house, but it failed to receive action in the senate.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Abbe 6' x 12' Porcelain lined Pebble Mill.

1—Allis Chalmers buhrstone-lined Ball Mill, 5'8" x 18'.

1—Pfaudler 300 gallon jacketed Kettle, Series 1..

1—Stokes jacketed vacuum Mixer, 14" x 12".

1—Struthers Wells jacketed Kettle, 60 gallons.

2—J. H. Day Mogul Kneading & Mixing Machines, Type MDB, Size 5.

1—J. H. Day 2,000-lb. Mixer.

1—Kent jacketed Powder Mixer, 800 lb.

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UNION, N. J.
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3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.

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9—Stainless Steel Condensers 150 sq. ft.
2—Pfaudler Jacketed Glass Lined Kettles 200 and 250 gals.
1—Glasscote Glass Lined 300 gallon Pressure Tank.
1—Pfaudler 1,500 gal. Closed Glass Lined Pressure Tank.
1—W&P Jack. Mixer 2 gal. M.D.
2—Abbe 6' x 8' Buhrstone Lined Pebble Mills.
1—Day & Ross 40 gallon Pony Mixers.
2—Vertical Heavy Duty 500 gal. Paint Mixers.
3—Vertical Steel Reactors 1,100 gallons.
1—Nickel Coated Reactor 200 gallons.
2—Vacuum Shelf Dryers 18 and 20 Shelf.
6—Horiz. Spiral Mixers 600 lbs. to 3,500 lbs.
1—Colton No. 17 Automatic Tube Filler & Closer Monel parts.
1—New Titusville Boiler 100 H.P. 100 lb. W.P. Horiz. Tubes.

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EQUIPMENT OFFERED

For sale, subject to being unsold: 2—copper vertical storage tanks ¼ in. thick metal, approximately 7 ft. high and 7 ft. in diameter, 15 in. x 15 in. opening on top, gauge cock on side. Capacity 2,051 gal. and 2,095 gal. 2—copper steam jacketed kettles, 700 lbs. and 900 lbs. wax capacity with bottom outlets. 2—5-roll soap chipping machine, rolls approximately 14 in. in diameter by 60 in. long. 6—open top steel storage tanks with bottom outlets, 600 gal. capacity each. 5—200-gal steel mixing tanks, jacketed for hot water but steam tight. 2—butter churns 44 in. x 62½ in. with two speed drive and double beater paddles. 1—6-in. B.F. Sturtevant blower. 1—45-in Universal I.L.G. ventilating fan, 40 in. high and 18 in. wide. 1—horizontal steel storage tank 45 in. in diameter x 71 in. long. 1—steel oblong steam jacketed tank, 120 in. long x 53 in. wide x 59 in. deep. 1—complete small asphalt emulsion plant. 1—complete hot asphalt cloth saturating plant. 1—10 H.P. vertical steam engine. 1—3-in. rotary pump. 2—10 H.P. vertical steam engine. 1—15 H.P. vertical steam engine. 1—7½ H.P. vertical steam engine. 1—Cox air compressor, 550 cu. ft. per minute. 1—75 cu ft. locomotive type compressor. 2—150 H.P. return tubular boilers. 3—Ross stone paint mills. Apply Cochrane Chemical Company, 151 Main Street, Matawan, New Jersey, Telephone MAtawan 1-2400.

For sale: Reeves 55 Vari Speed Reducer; bucket elevator enclosed 11 ft., 6 in. centers. All in perfect condition. Mineral Pigments Corporation, Muirkirk, Maryland.

EQUIPMENT WANTED

Machinery wanted: Want Smith Stokes Model SN envelope sealer. Give condition and best price. Write OPD 291.

MATERIALS OFFERED

Methyl bromide for sale—18,000 lbs. in 1-lb. cans available for immediate delivery, at a low price. Sabin Metal Corp., 40 Lispenard St., N. Y. 13, N. Y.—WAlker 5-6583.

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Aniline oil: 99½% leading manufacturer's product packed 450-pound drums, warehoused for immediate sale 12¾ cents pound, minimum 10 tons; lesser quantities 13 cents. Fleischman Burd Co., Inc. Telephone PL 7-3460.

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Will purchase your surplus chemicals, solvents, oils, waxes, etc. Highest prices paid. Our rating $500,000. OPD 271.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 279.

Wanted: Urea, all grades; cyclohexanone; ammonium sulfate; nitrates; pyridine, 2; potassium and sodium bichromates; also SURPLUS chemicals of all kinds including solvents, plasticizers, pigments, organics, pharmaceuticals, industrials, etc. Kindly submit complete specifications, packing, prices. OPD 293.

Propylene glycol:—Wish to purchase any quantity available. John Clarke Co., Inc., 135 Front Street, New York 5. WHitehall 3-6430.

Solvents—Large eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write. OPD 269.

PLANTS WANTED

Wanted — Complete plants, also machinery — large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible, strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

Wanted—Chemical plant, laboratory, or suitable building with or without equipment, about 5,000 sq. ft. in unrestricted New York Metropolitan area. Address OPD 295.

POSITIONS OPEN

Lacquer chemist wanted: For an expanding well organized lacquer company an experienced chemist able to assist in or undertake the formulation and development of standard and specialized lacquers and synthetics. Excellent high type man only, preferably with a good educational background. To the proper man this position offers an excellent future. Give full details in strictest confidence in first letter. OPD 263.

POSITIONS VACANT

Wanted: A Highly experienced paint man to serve outside country with large successful paint company. Salary attractive to right man. State full details. Information will be kept in strictest confidence. OPD 292.

Export manager—Alert, intelligent, experienced chemical field. Full details first letter. Replies confidential. OPD 294.

SERVICES OFFERED

Chemical plant to do contract work, equipped for bulk organic synthesis 1,000 lb. upwards. Raw materials and processes furnished. Eastern Seaboard. OPD 274.

FOR SALE

Pebble Mills: 6x5', 5x4', 4x5', 18x24".
Reactor: 200 gal. Pfaudler, jack., ag.
STEEL TANKS: 2—12,000 gal. horizontal.
Vacuum Mixer: W. & P., 20 gal.
Mixers Day: 80 gal. Brighton.
Liquid Fillers: Siphon and Vacuum.
Fillers: Tube-Jar, hand and motor dr.
Fillers: Stokes & Smith, Triangle.
Tablet Machine: Colton single, No. 4.
Filter Presses: 24" cast iron, 30" alum.
Oil Expeller: Anderson RB.
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: 600, 1,000, 1,500, 2,000 lb.
Shelf Dryer: Devine No. 12, 20 shelf.
Labelers: Bottle and Can.
Mixers: 3-speed Hobart, Read, Glen.
Filter Press: 24" wood plate and frame.
Centrifugal: Tolhurst 40" suspended type.
Drum Dryer: 4x6' Stokes atmospheric.

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Steel Storage Tanks

5—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.

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Season's Greetings

6—Colton Rotary Tablet Presses.
1—Stokes 4' x 6' atmos. drum Dryer.
6—Abbe Patterson ball & pebble Mills, 30" x 30", 1 jktd.
1—Glass-lined internal tube Cooler, 25-gal. per hr., from 72° to 34° F.
2—Sperry 36" x 36" 4-eye C.D., washing type filter Presses.
6—Stokes 40" x 43" Impregnators.
2—Day & Colton 15-20 gal. Pony Mixers.
2—Arenco auto. tube Fillers, Closers and Crimpers, M.D.
1—200-gal. Pfaudler glass-lined vac. Still.
1—Day 1,500 lb. dry Blender.
2—Rezina auto. Cappers, 28 mm.
1—Standard Knapp carton, gluer & sealer with 12' compression belt.
5—Alsop 10" 8-disc sealed disc Filters.
1—Horax 18-spout s/s contact parts Filler.
2—Devine 16-shelf vac. Dryers with vac. pump & condenser.
8—Buffalo-Clevon 1-5 gal. Fillers with auto. shut off valves.
1—International 24-spout Rotary vac. Filler, corrosion resistant contact parts.

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK, 13
WOrth 4-8130

FOR SALE

1—SW-5E Steller Filter, stainless steel elements & cores.
1—Pac O Matic Packer with bag shaper and shaker (3, 5 & 9 lb. bags).
2—Vogt 3 Drum Low Head Boilers, 220 HP 160 lb. P. Oil-Gas Burners complete in stand-by condition.
1—Gehnrich Drying Oven, S.S., Endless Belt Type, 5' wide x 55' long, gas fired 15 burners, 750 F. complete with variable speed drive, Automatic Temperature control.

Michigan Chemical Corporation
Saint Louis, Michigan

Federal Health Activities

—Continued from page 3

out-patient services in the regional offices; the hospitals of the Public Health Service, and St. Elizabeth's hospital.

The public health division of the bureau would consolidate the following activities of the Public Health Service: the Bureau of State Services and quarantine activities of the Bureau of Medical Services, the biologics control laboratory and the offices of sanitation engineering and dentistry from the Office of the Surgeon General. The Food and Drug Administration would also be a part of the public health division.

The main functions of the public health division would be: to administer grants in aid; to conduct a clearing house of information on public health activities; and to regulate interstate commerce in food, drug and medicines.

The committee said that a unified supply system for medical items would effect great sayings. The number of depots required for medical supplies could be reduced to about one-third of the present number. If the armed forces will make medical supply a responsibility of one of the three services, that service should conduct supply operations for all of the armed services, the National Bureau of Health and other incidental government needs.

If this is not done in time of peace, the National Bureau of Health should procure supplies for the armed forces with armed forces personnel detailed to its supply system. A unified procurement system for medical supplies is necessary as a medical precaution in time of war.

Botanical Drugs

—Continued from page 58

ness originating among local dealers and not direct with manufacturing consumers. The spot market remained reasonably steady at 48c. to 52c. per pound as to dealer.

Seeds

Anise—Syrian material sagged to 17¼c. to 17¾c. per pound under a dwindling demand. Mexican goods remained steady. Star anise from China was quoted 17½c. to 18c. per pound on spot and at 16c. to 16½c. for goods now afloat.

Cardamom—New price developments were lacking save that some Coorges were offered at $1.68 per pound for goods now afloat. Primary market advices indicated no easing of the recently very strong price position.

Celery—Lack of interest and a desire to turn some goods into cash accounted for the most part for the price reduction to 20c. to 20½c. per pound for Indian seed in spot position.

Coriander—Moroccan seed eased back a fraction to 6¼c. to 6½c. per pound. Argentine and Cyprian seed held reasonably steady but little interest was displayed in the item. A higher market was forecast for next Spring.

Cumin—Some Syrian seed reappeared on the spot last week, being offered at 17¼c. to 17¾c. per pound. The last nominal spot price had been 20c. Persian seed on spot was shaded to 18¾c. to 19¼c. Some quarters expect prices to rise, come the Spring.

Spices

Cassia—All prices held steady and without sign of immediate change except those for China buds. The latter were sharply lower at 32c. to 32½c. per pound.

Cinnamon—Inactivity softened asking prices and at the end of the past week the market was quoted dull at 27c. to 28c. per pound.

Clove—Prices held without quotable change. They were firm in all markets.

Ginger—Reduction of inventory was suggested when African root was shaded to 14½c. to 15c. per pound on the spot. Also, No. 2 Jamaica was lower at 25½c. to 26c., while No. 3 was 24½c. to 25c.

Mace—West Indian material dropped to $1 to $1.05 per pound. Other varieties lacked change.

Nutmeg—The material from the West Indies was down sharply at 43½c. to 44c. per pound. Futures were 42c. to 42½c.

Pepper—Black was slightly lower at 77c. to 79c. per pound, spot; futures, nearby, 75c. to 76c.; distant, higher at 55c. to 60c. as to position. Nigerian birdseyes was higher at 50c. to 51c. White pepper sold at 81c. to 82c.

N.Y. & N.J. Lubricant Elects New Officers

The New York & New Jersey Lubricant Company, manufacturer of "Non-Fluid Oil," New York, has elected Ivan L. Hall vice-president; Sidney Vollman, treasurer; James F. Donlin, assistant treasurer, and Harry Clemens to the board of directors. All have been associated with the company for forty years or longer.

Bischoff Promotes Harvill

The Ernst Bischoff Company, pharmaceutical manufacturer, Ivoryton, Conn., has appointed Dr. Edward K. Harvill as director of control. He was recently made a vice-president and director of research.

Blaw-Knox Promotes Two

E. S. Wright has been named manager of construction of the chemical plants division of Blaw-Knox Company, Pittsburgh. W. F. O'Neill is succeding him as general superintendent of construction.

Apex Chemical Honors Helburn

The Apex Chemical Company, New York, tendered a dinner to its key employees at the New Yorker hotel on December 18 to celebrate the ninetieth birthday of its founder and treasurer, Hugo Helburn, and to observe the completition of a new addition to its manufacturing facilities. Herman Rothstein, president, announced a bonus of three weeks' pay to all employees and a wage increase effective January 1.

Kimble Glass Advances Dennis

The Kimble Glass division of the Owens-Illinois Glass Company, Toledo, Ohio, has appointed E. B. Dennis jr. sales manager. Mr. Dennis will be succeeded as sales manager of the container and accessories division by K. G. Hewitt, formerly manager of the division's Philadelphia branch office.

Monsanto Shifts McMillan

Monsanto Chemical Company, St. Louis, Mo., has appointed Paul C. McMillan manager of the newly created San Francisco office of its export sales department. Mr. McMillan, who has been located in the company's New York export sales office, will open the new location on January 1.

ECA Announces Additional

—Continued from page 4

crude oil and petroleum products from the United States, and $167,000 for the same from Saudi Arabia.

To Ireland—$12,000 for medicinal and pharmaceutical preparations from the United States.

To Italy—$500,000 for naval stores from the United States.

To Netherlands—$105,000 for oilcake and meal, $370,000 for medicinal and pharmaceutical preparations, $2,430,000 for chemicals and chemical preparations, $175,000 for hides and skins, and $130,000 for leather and leather products, all from the United States; $130,000 for chemicals from Canada; $20,000 for leather and leather products from Canada; $400,000 for lead and lead products from Latin America, and $275,000 for hides and skins from Latin America.

To Trieste—$25,000 for lard and $24,000 for medicinal and pharmaceutical preparations from the United States.

Drug, Chemical, Paint Firms

—Continued from page 5

pany; V. M. Drug Company; Walker Chemiplant Corporation; Waterbury Laboratories, Inc.; Wesley Drugs, Inc.; Williamsburg Drug Company; Winnek Laboratories, Inc.

Oil and Paint Firms

Alben Paint Company; American Chrome Distributing Corporation; Colegrove Oil Company; Compound Lacquer Company; Conval Gasoline & Oil Corporation; County Oil Corporation; Dewey Oil Company; Eagle Color & Chemical Company; Fuel-O-Matic Petroleum Corporation.

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Standard Specialty & Tube Co. 46
Stauffer Chemical Co. 15
Stein Equipment Co. 73
Sumner Chemical Co., Inc. 52
Tennessee-Eastman Corp. 12
Tennessee Products & Chemical Corp. 37
Thompson-Hayward Chemical Co. 38
Thurston & Braidich 58
Trask, Arthur C., Co. 68
Truland Chemical & Engineering Co. 68
Turner, Joseph, & Co. 64

Union Carbide & Carbon Corp. 2, 52
Union Standard Equipment Co. 73
U. S. Phosphoric Products 35
United Distillers of America, Inc. 38
United States Hormone Corp. 50
United States Potash Co., Inc. 40
Universal Petroleum Co. 46
Universal Western Chemical Corp. 41

van Ameringen-Haebler, Inc. 60
Varona Chemical Co. 60
Virginia Smelting Co. 43

Wah Chang Trading Corp. 70
Wallace & Tiernan 36
Welch, Holme & Clark Co., Inc. 70
Whitman, Wm., Co. 71
Will & Baumer Candle Co., Inc. 68
Wilson-Martin Div. 67
Woburn Chemical Corp. (N. J.) 70

Young, The J S. Company 43

Ziegler, G. S., & Co. 70
Zinsser & Co., Inc. 36

Asphalt Institute Elects N.H. Angell as President

N. H. Angell, of the Standard Oil Company of California, was elected president and chairman of the executive committee of the Asphalt Institute at a recent meeting of the board of directors. Also elected were the following five divisional vice-presidents:—

Sidney Goldin, Shell Oil Company, division I, Atlantic-Gulf; D. H. Jenks, jr., Ashland Oil & Refining Company, division II, Ohio-Great Lakes; E. E. Scholer, Shell Oil Company, division III, Midwest; O. D. Bridges, Houston, Tex., division IV, Southwest, and W. L. Spencer, Union Oil Company of California, division V, Pacific Coast.

Rheem Making Grease Drums

Rheem Manufacturing Company has commenced initial production of 100-pound grease drums for the petroleum industry at its Sparrows Point, Md., plant. Additional plant facilities and high speed machinery have been added to the installation to provide for the production of the drums.

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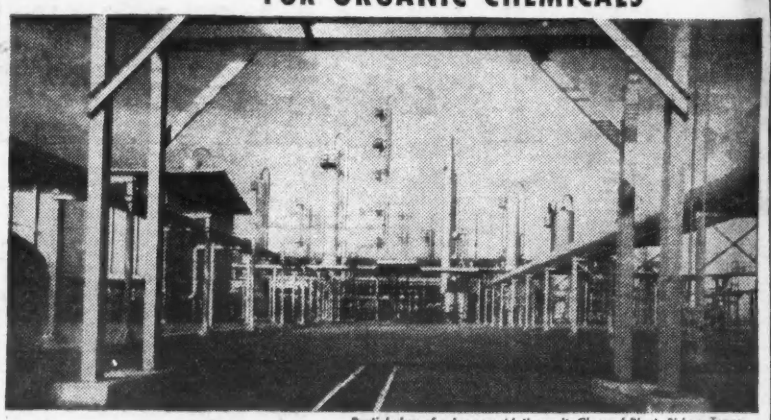

Partial view of primary oxidation unit, Chemcel Plant, Bishop, Texas.

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